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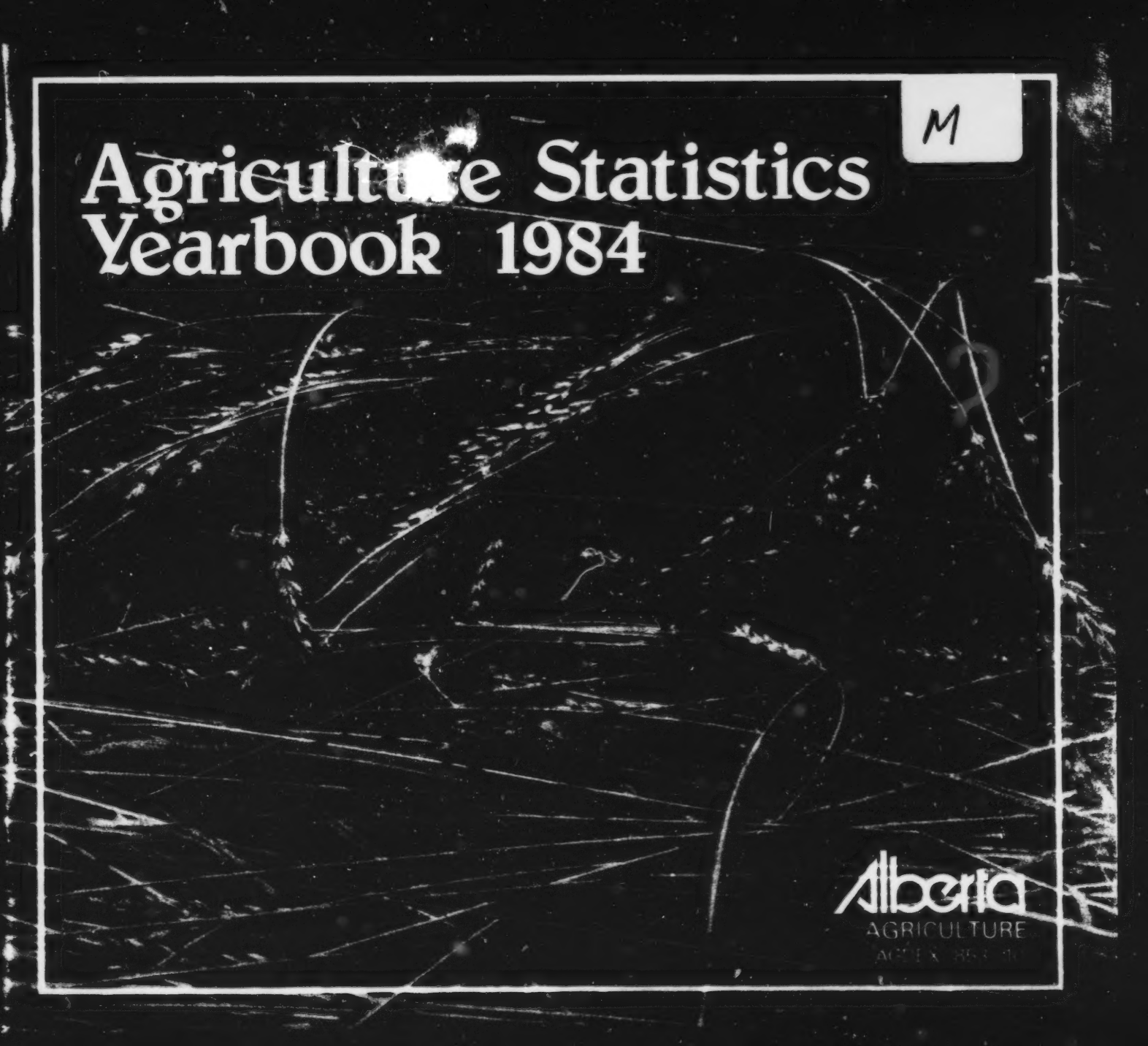
Agriculture Statistics Yearbook 1984



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PREFACE

The Agriculture Statistics Yearbook for Alberta provides 1984 statistics where available, with the most current statistics otherwise, thereby serving as a reference to those interested in agriculture in Alberta. Although several graphs and short tables date back a few years, long term data and tables for years prior to 1983 may be obtained from the Statistics Branch. In addition, we remind users that the data in this publication is subject to revision.

Statistics Branch publishes and revises much of the data in this publication throughout the year. This data is released on statistics fact sheets and this format may be more appropriate for those individuals wishing only selected pages of this publication. If this is the type of information you require please contact us at any time during the year.

Data was derived from several sources with major contributions made by the Agriculture/Natural Resources Division, Statistics Canada in cooperation with Alberta Agriculture. We also gratefully acknowledge the cooperation of Agriculture Canada and contributions of other federal and provincial departments mentioned within Sources and Methods located at the back of this publication.

Special appreciation is extended to all the agricultural producers and processors that responded to surveys or supplied other information to either Statistics Canada or Alberta Agriculture.

Evaluation of this publication and suggestions for improvements will be greatly appreciated and should be forwarded to Statistics Branch, Alberta Agriculture, Edmonton.

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1984 IN REVIEW

FARM CASH RECEIPTS Total Farm Cash Receipts to Alberta farmers in 1984 were estimated at $3,949 million up 6.7% from 1983. The largest increase in receipts was in the livestock sector, increasing 10.8% to $1,855 million. Higher cattle prices, an increase in total hog output and payments under both the Livestock Drought Assistance Program and the Alberta Pork Producers Market Insurance program were the principal factors contributing to an increase in receipts.

Total Crop Receipts were also higher increasing 3.4% to $2,091 million. Higher canola receipts, Crop Insurance payments and Western Grain Stabilization (W.G.S.) payments were prevalent offsetting lower wheat and barley receipts and increasing total crop receipts.

Wheat Alberta wheat farmers delivered record volumes of wheat to primary elevators in 1984. Both January to July deliveries and August to December deliveries reached record highs and totalled 5.7 million tonnes in 1984, 7.9% higher than the previous record in 1983. An increase in quota of 12.9 bu/acre on #1 and 2 CWRS and open quota on #3 CWRS and lower grades resulted in an increase in January to July delivery in the 1983/84 crop year. Larger quotas and farmer immediate cash requirements encouraged August to December deliveries.

Despite record deliveries, farm cash receipts from wheat are estimated at $1,003 million up only $1 million from 1983. Lower final payments received in January 1984 on 1982/83 deliveries, lower initial payments and higher freight rates offset gains from increased marketings.

Barley Alberta Barley Receipts for 1984 declined 29.5% from $427 million in 1983 to $301 million in 1984. Most of the decline results from reduced deliveries in 1984. A 22.5% drop in Alberta barley production in 1983 and heavy deliveries August through December 1983 reduced barley supplies available for January - July 1984 delivery. Barley carryover going into this 1984/85 crop year was down 63% from last year and in conjunction with a further 10.6% drop in the 1984 Alberta barley crop impacted on 1984/85 deliveries. Total 1984 deliveries declined 30.5%. Lower final payments in 1984 also contributed to lower receipts. Farmers received $3.0 million in C.W.B. final barley payments in 1984 as compared to $35.1 million in 1983.

Canola Alberta Canola Receipts increased 20.2% from $327 million in 1983 to $393 million in 1984. Due to tight 1983/84 world oilseed and oil supplies, Alberta canola prices between January and July 1984 averaged $398/tonne, 42% higher than the same period last year. However, the impact of increased prices on receipts was partially offset by a decline in volume delivered. Deliveries between April and July tapered off as a result of tight supplies reducing January to July deliveries.

Alberta 1984 canola production increased, raising 1984/85 available supplies 20%. August to December deliveries to primary elevators increased 49% but declined at process elevators resulting in total deliveries increasing 24% over this period. Prices August through December declined from early in the calendar year and averaged slightly lower than August to December 1983 prices.

Crop Insurance Losses paid out by Alberta Hail and Crop Insurance Corporation reached a record level in 1984. Crop and hail insurance payments were $197

million up 97% from $100 million in 1983. The increase in crop insurance is attributed to drought in southern Alberta, early snow cover in northern regions and an increase in the number of farmers seeking crop insurance.

Western Grain Stabilization Western Canadian grain farmers received $227 million in Western Grain Stabilization (W.G.S.) payments in 1984. The W.G.S. program set up in 1976 to stabilize grain farmers income is a joint producer-federal government program. Payments to producers are triggered if net cash flow in a particular year is below the preceding five year average. The last payment farmers received was for $253 million in 1978. Amendments to the W.G.S. program in 1984 included a secondary mechanism which calculated net cash flow on a per unit basis (tonne). The inclusion of the secondary mechanism triggered payments for the 1983/84 crop year of which Alberta's share was $59 million.

Cattle and Calves Alberta Farm Cash Receipts from Cattle and Calves in 1984 are estimated at $1,177 million, up 8% from $1,090 million in 1983. Total cattle output including provincial slaughter and out-of-province shipments increased 1% over 1983. Between January and September of 1984, total cattle output was down 2.9% but an increase in cow and heifer marketings in the fourth quarter raised slaughter and out-of-province shipments. Shifts in the marketing pattern were also evidenced in 1984. Reduced slaughter capacity due to packer strikes reduced provincial slaughter 3.6% but raised out-of-province shipments. Total out-of-province shipments increased 19% of which live cattle exports to the U.S. increased 54%. Drought in southern Alberta also contributed to an increase in 4th quarter slaughter and live cattle shipments.

The increase in 1984 cattle receipts was primarily due to higher prices. Steers 1000 pounds and over averaged $4.17 per hundredweight or 6% higher. Cow prices averaged $46.24 per hundredweight slightly above 1983 prices. Lower feed costs in Eastern Canada and expectations for higher 1985 slaughter prices helped raise fourth quarter feeder prices. Prices for 600 - 700 pound feeder steers averaged $80.39/cwt, $1.15 higher than in 1983. Payments under the joint federal provincial Livestock Drought Assistance program also raised cattle receipts. To the end of December cattle producers received $17.5 million, increasing receipts 1.6%.

Hogs Alberta hog receipts increased 28.9%, rising from $201 million in 1983 to $259 million in 1984. Expansion in Alberta's hog breeding herd and an increase in both the hog index and average weight per hog contributed to higher receipts. Total Alberta hog output rose 19% over 1983. Out-of-province shipments increased as output exceeded slaughter capacity raising total Alberta exports to the U.S. 330%. The average weight per hog carcass rose 1.9% to 171.4 pounds and the average index 0.8% to 103.2.

Higher barley prices and interest rates contributed to a steady rise in the Alberta Pork Producers Market Insurance Plan (APPMIP) indemnity price throughout 1984. Hog prices ranged between $5.00 to $17.00 below the APPMIP indemnity price as compared to last year when hog prices fluctuated $15.00 above to $5.00 below the indemnity price. Net payments (indemnity payments net of premiums) of $15.4 million raised 1984 hog receipts 7.7%.

Dairy Higher prices and an increase in milk production raised 1984 dairy receipts. Fluid milk production increased 4.4%, the increase allocated to M.S.Q. for industrial purposes. Continued decline in consumer demand reduced Class 1 utilization for table milk by 2.1% further increasing the volume of fluid milk diverted to the lower valued M.S.Q. milk.

Industrial milk production rose 5.5% and cream production declined 10.8%.

Since January, producers have received two price increases on all milk utilization classes. Prices per hectolitre of Class 1 milk standardized at 3.6 kilograms butterfat rose 4.1% from $47.15/hl to $49.11/hl. Industrial milk prices rose 5.1% from $36.00/hl to $37.85/hl. Total Dairy Receipts for 1984 increased 7.9% to $245 million.

OPERATING EXPENSES Total Operating Expenses for 1984 are estimated to have increased 6.5% to $2,664 million for 1984. Machinery expenses, the largest expense category increased 1%. The largest per cent increases were in other livestock expenses, interest payments, feed and wages to farm labour. These increased 22.4, 13.6, 14.5 and 11.3%, respectively. Fertilizer, repairs to buildings and gross farm rent expenses declined slightly.

Interest Expenses Interest expenses in 1984 are estimated at $451 million up 13.6% from $397 million in 1983. Prime rates averaged 12.1% in 1984 as compared to 11.2% in 1983. Alberta farm debt is estimated to have increased 5.7% to $5.2 billion. While total debt since 1981 has increased at a decreasing rate, an increasing proportion of the total debt is long term debt. The cost price squeeze has reduced repayment ability forcing many farmers to restructure their debt to the longer term.

Machinery Expenses Total Machinery Expenses including machinery repairs and fuel expenses increased $6 million to $560 million in 1984. Increases in both machinery repairs, as farmers defer machinery purchases, and prices for mechanical labour and parts raised repair expenses $9 million to $278 million. Fuel expenses declined nearly 2% as total fuel purchases dropped an estimated 6.1%. Purple gas purchase for the year were down 9.5% and diesel purchases, 2.3%. Prices for purple gas and diesel increased 3.8 and 2.8% respectively, in 1984. Total fuel expenses for 1984 including lubricants are estimated at $282 million down $4 million from $286 million in 1983.

Feed Expenses Feed expenses for 1984 are estimated at $229 million, increasing $29 million from 1983. Contributing to the increase were higher barley and prepared feed prices. According to AIMS (Alberta Input Monitoring System) No. 1 feed barley prices averaged 25% higher in 1984. Dairy supplement, hog concentrate and poultry supplement rose 7.6, 5.5 and 2.7%, respectively. The volume of feed purchased through commercial channels is also estimated to have increased due to an increase in hog numbers and drought in Southern Alberta.

Other Livestock Expenses Other livestock expenses during 1984 are estimated at $142 million up 22.4% from $116 million in 1983. Included in this category are feeder cattle, weaner pigs, breed association fees, artificial insemination (A.I.) fees, and veterinary expenses. Saskatchewan feeder cattle shipments to Alberta are the principal factor contributing to the increase in livestock expenses. Feeder cattle shipments from Saskatchewan to Alberta increased 23.3% in 1984. Prices for feeder cattle rose 2.2% in 1984 while prices for feeder pigs 75 pounds and under declined 14 to 15%. Breeding, A.I. and veterinary expenses increased slightly due to rising price of services.

Total Operating Expenses and Depreciation Charges are estimated at $3,325 million, up $139 million from 1983. Depreciation Charges on machinery and buildings declined slightly as depreciation on existing assets decreased more than the added depreciation on new machinery purchases and building construction.

Farm Net Cash Income increased in 1984. Receipts rose more than expenses increasing Net Cash Income 7.0% to $1,285 million. Although the effect of the drought was evidenced by 1984 barley deliveries most of the impact has been deferred and will be reflected in 1985 receipts. Farmers delivered record wheat volumes August to December preventing 1984 wheat receipts falling lower. This combined with crop insurance paid in 1984 on the 1984/85 crop further buoyed 1984 receipts.

ASSISTANCE PROGRAMS The Alberta Government continued to provide agricultural assistance programs where needed. The scope of programs offered in 1984 was broad, providing financial assistance for agriculture research, reducing farm expenses through to development and expansion of agriculture processing.

The Farming for the Future Research Program implemented in 1979 was designed to improve the long-term viability of Alberta's agricultural industry and net farm incomes in the province. In 1984-85, 102 projects were funded at a cost of $4.4 million under the Research Program. To aid in the process of technology transfer, $302,000 was disbursed for 98 on-farm testing and demonstration programs in 1984.

To increase farm income through the improvement and development of agricultural land, the Range and Soil Improvement Program was established. The program administered by the Alberta Agricultural Development Corporation (A.A.D.C.) guarantees loans up to a maximum of $10,000 per farm family for the purpose of brushing and breaking uncultivated land, brush control through mechanical and biological means, liming and range weed control. Incentives are paid annually for five years and are based on the lesser of (1) 7% of the original loan amount or (2) one half of the A.A.D.C. prime rate plus 1%.

In response to drought in the southern prairies, the Livestock Drought Assistance Program was developed. The joint federal provincial program provided direct grants to livestock producers to help obtain feed needed to maintain breeding herds. Alberta farmers received $17.5 million under the program in 1984 and are expected to receive a further $12.5 million in 1985. A feed freight assistance program was also introduced to reduce the cost of bringing in feed to areas affected by the drought but not covered by the Livestock Drought Assistance Program. The program provides transportation cost assistance on forages, the amount which varies with the type of forage and mileage hauled.

Under the Alberta Farm Fuel Distribution Allowance Program, Alberta farmers continued to receive a 7¢ per litre discount on purple gas, purple diesel fuel and purple heating oil. The discount is estimated to provide a savings of $1,050 per farm. Farm property taxes were also reduced through the Alberta Property Tax Reduction Plan. The Provincial School Foundation portion of the municipal mill rate is removed ensuring a minimum property tax reduction of $200 or the total municipal taxes if less than $200.

Supporting the development and expansion of agriculture processing, 89 firms received financial assistance totalling $2.3 million under the Canada-Alberta Nutritive Processing Agreement. This agreement extended to September 30, 1985 provides grants for the research and development of new products and the building and modernization of nutritive processing facilities. The Canada-Alberta Nutritive Processing Agreement is equally funded and jointly administered by the federal and provincial governments.

Table 1
PRODUCTION AND GROSS FARM VALUE OF AGRICULTURAL PRODUCTS

	Production		Value Per Unit		Total Value	
	1983	1984	1983	1984[p]	1983	1984[p]
	- tonnes -		- dollars -		- dollars -	
Field Crops:						
Wheat	6 804 000	4 858 000	173.10	177.00	1,177,772,000	859,866,000
Oats for grain	1 049 000	987 000	101.10	102.00	106,054,000	100,674,000
Barley for grain	5 095 000	4 594 000	116.20	120.50	592,039,000	553,577,000
Rye	210 800	137 200	109.90	98.00	23,167,000	13,446,000
Mixed grains	155 000	133 000	108.00	122.00	16,740,000	16,226,000
Flaxseed	30 500	33 000	321.80	314.00	9,815,000	10,362,000
Canola/Rapeseed	1 066 000	1 293 000	379.20	352.00	404,227,000	455,136,000
Mustard seed	24 900	17 200	342.40	342.00	8,526,000	5,882,000
Potatoes	199 600	212 100	126.80	121.20	25,309,000	25,706,000
Sugar beets	570 000	514 000	38.70	36.40	22,059,000	18,710,000
Tame hay	6 532 000	6 350 000	80.50	92.50	525,826,000	587,375,000
Other Field Crops					87,594,000	93,148,000
Total Field Crops					2,999,128,000	2,740,108,000
Livestock and Livestock Products:						
Cattle and Calves					925,934,000	947,175,000
Hogs					230,260,000	268,251,000
Sheep and Lambs					5,908,000	6,235,000
Total Livestock					1,162,102,000	1,221,661,000
Dairy					231,143,000	249,649,000
Poultry and Eggs					116,455,000	132,188,000
Honey					15,160,000	13,521,000
Other Livestock and Products					1,607,000	1,665,000
Total Livestock and Products					1,526,467,000	1,618,684,000

[p] preliminary

SOURCE OF FARM INCOME

(PERCENT)

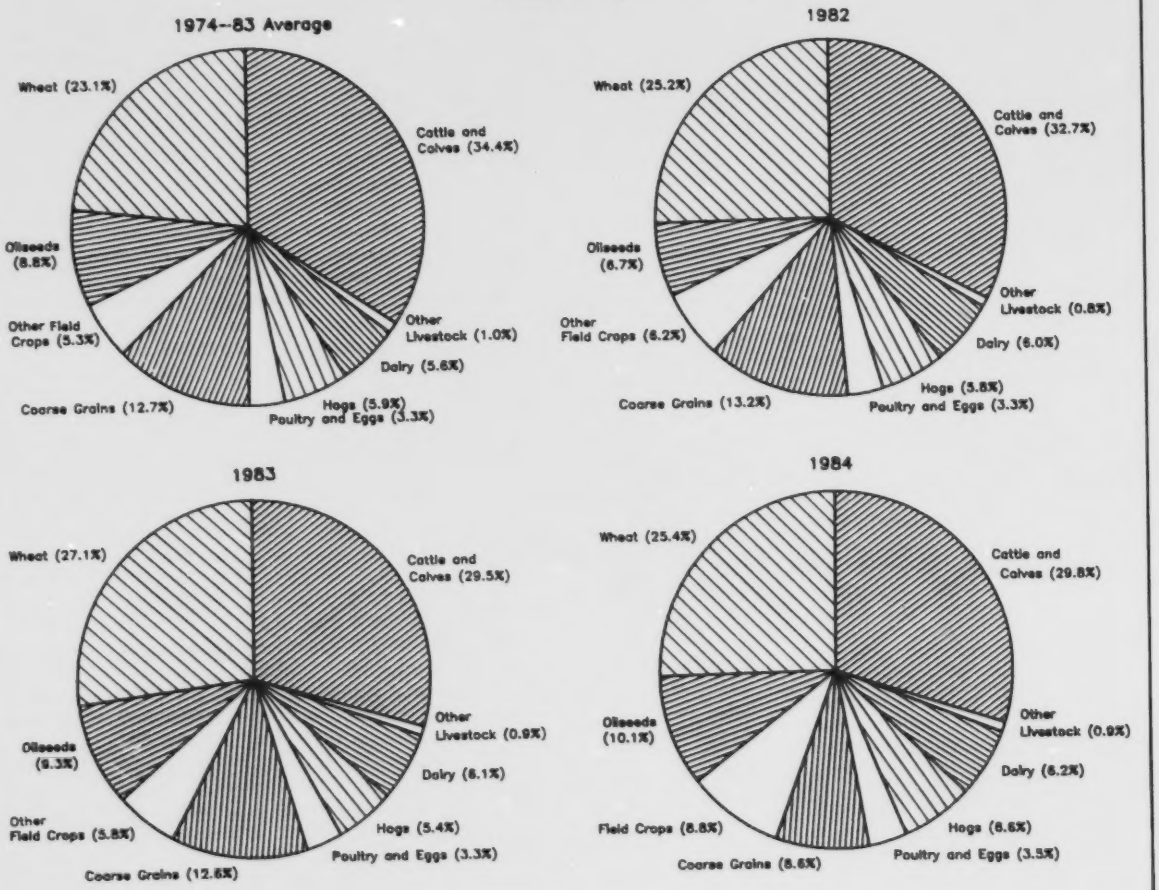


Table 2
CASH RECEIPTS FROM THE SALE OF FARM PRODUCTS

	1983		1984[P]	
	$'000	% of Total	$'000	% of Total
Wheat	1,002,000	27.1	1,003,000	25.4
Oats	23,000	0.6	25,000	0.6
Barley	427,000	11.5	301,000	7.6
Western Grain Stabilization	0	0	59,000	1.5
Crop Insurance Payments	100,000	2.7	197,000	5.0
C.W.B. Net Cash Advance & Deferments	-17,000	-0.4	-40,000	-1.0
Rye	14,000	0.4	14,000	0.3
Flaxseed	16,000	0.4	7,000	0.2
Canola/Rapeseed	327,000	8.8	393,000	9.9
Sugar Beets	30,000	0.8	23,000	0.6
Potatoes	21,000	0.6	27,000	0.7
Vegetables	21,000	0.6	21,000	0.5
Floriculture and Nursery	24,000	0.6	26,000	0.7
Other Crops	35,000	1.0	35,000	0.9
Total Crops	2,023,000	54.7	2,091,000	52.9
Cattle and Calves	1,090,000	29.5	1,177,000	29.8
Hogs	201,000	5.4	259,000	6.6
Sheep and Lambs	6,000	0.2	7,000	0.2
Dairy Products	227,000	6.1	245,000	6.2
Poultry and Eggs	122,000	3.3	138,000	3.5
Other Livestock	27,000	0.7	29,000	0.7
Total Livestock and Products	1,673,000	45.2	1,855,000	47.0
Other Cash Receipts	5,000	0.1	3,000	0.1
Total Cash Receipts	3,701,000	100.0	3,949,000	100.0

[P] preliminary

Note: Interim and final payments received through the Canadian Wheat Board on participation certificates (wheat, oats and barley) are included in the calendar year in which payments were received by farmers. Deficiency payments are included with products where applicable.

Table 3
NET INCOME OF FARM OPERATORS FROM FARMING OPERATIONS

	1	2	3 (1+2)	4	5 (3-4)	6	7 (3+6)	8 (7-4)
	Total Cash Receipts	Income In Kind	Realized Gross Income	Op. & Deprec. Charges	Realized Net Income	Value of Inventory Changes	Total Gross Income	Total Net Income
	- thousand dollars -							
1961	534,000	19,000	553,000	323,000	230,000	-40,000	513,000	190,000
1962	575,000	19,000	594,000	345,000	249,000	21,000	615,000	270,000
1963	529,000	19,000	548,000	369,000	179,000	103,000	651,000	282,000
1964	602,000	18,000	620,000	400,000	220,000	8,000	628,000	228,000
1965	669,000	19,000	688,000	430,000	258,000	28,000	716,000	286,000
1966	769,000	18,000	787,000	470,000	317,000	36,000	823,000	353,000
1967	796,000	17,000	813,000	510,000	303,000	-42,000	771,000	261,000
1968	805,000	17,000	822,000	549,000	273,000	62,000	884,000	335,000
1969	740,000	18,000	758,000	552,000	206,000	45,000	803,000	251,000
1970	720,000	17,000	737,000	550,000	187,000	32,000	769,000	219,000
1971	795,000	16,000	811,000	605,000	206,000	17,000	828,000	223,000
1972	955,000	18,000	973,000	681,000	292,000	26,000	999,000	318,000
1973	1,242,000	22,000	1,264,000	839,000	425,000	204,000	1,468,000	629,000
1974	1,744,000	21,000	1,765,000	1,084,000	681,000	-12,000	1,753,000	669,000
1975	1,899,000	20,000	1,919,000	1,275,000	644,000	100,000	2,019,000	744,000
1976	1,909,000	25,000	1,934,000	1,476,000	458,000	80,000	2,014,000	538,000
1977	1,962,000	26,000	1,988,000	1,590,000	398,000	-74,000	1,914,000	324,000
1978	2,284,000	31,000	2,315,000	1,798,000	517,000	98,000	2,413,000	615,000
1979	2,830,000	36,000	2,866,000	2,219,000	647,000	73,000	2,939,000	720,000
1980	3,143,000	40,000	3,183,000	2,579,000	604,000	151,000	3,334,000	755,000
1981	3,867,000	40,000	3,907,000	3,203,000	704,000	66,000	3,973,000	770,000
1982	3,798,000	37,000	3,835,000	3,233,000	602,000	-92,000	3,743,000	510,000
1983	3,701,000	37,000	3,738,000	3,186,000	552,000	-201,000	3,537,000	351,000
1984	3,949,000	39,000	3,988,000	3,325,000	663,000	-366,000	3,622,000	297,000

Table 4
NET INCOME OF FARM OPERATORS FROM FARMING OPERATIONS

	1983	1984[P]	% Change
	- thousand dollars -		
1. Total Cash Receipts	3,701,000	3,949,000	+ 6.7
2. Income in Kind	37,000	39,000	+ 5.4
3. Realized Gross Income (1+2)	3,738,000	3,988,000	+ 6.7
4. Operating and Depreciation Charges	3,186,000	3,325,000	+ 4.4
5. Realized Net Income (3-4)	552,000	663,000	+ 20.1
6. Value of Inventory Changes	-201,000	-366,000	- 82.1
7. Total Gross Income (3+6)	3,537,000	3,622,000	+ 2.4
8. Total Net Income (7-4)	351,000	297,000	- 15.4

Table 5
INCOME IN KIND

	1983	1984[P]	% Change
	- thousand dollars -		
Dairy Products	2,908	2,087	- 28.2
Poultry and Eggs	3,331	3,413	+ 2.5
Meat	14,708	16,346	+ 11.1
Fruit and Vegetables	8,758	9,792	+ 11.8
Honey and Maple Products	72	72	0.0
Forest Products	7,362	7,238	- 1.7
Wool	11	10	- 9.1
Total	37,150	38,958	+ 4.9

[P] preliminary

Table 6
FARM OPERATING EXPENSES AND DEPRECIATION CHARGES

	1983	1984[P]	% Change
	- thousand dollars -		
Taxes	46,000	49,000	+ 6.5
Gross Farm Rent	184,000	183,000	- 0.5
Wages	194,000	216,000	+ 11.3
Interest	397,000	451,000	+ 13.6
Fuel and Lubricants	286,000	282,000	- 1.4
Machinery Repairs and Expenses	268,000	278,000	+ 3.7
Fertilizer	315,000	314,000	- 0.3
Other Crop Expenses	182,000	197,000	+ 8.2
Feed	200,000	229,000	+ 14.5
Other Livestock Expenses	116,000	142,000	+ 22.4
Repairs to Buildings	46,000	44,000	- 4.3
Electricity and Telephone	55,000	57,000	+ 3.6
Miscellaneous	212,000	222,000	+ 4.7
Total Operating Expenses	2,501,000	2,664,000	+ 6.5
Depreciation Building and Machinery	685,000	661,000	- 3.5
Total Expenses	3,186,000	3,325,000	+ 4.4

[P] preliminary

Table 7
AVERAGE FARM INPUT PRICES

	1983 Average	Jan. - May/84	June - Dec./84	Jan. - June/85	June/84- June/85
Lumber 2X4 spruce, M (*2X6 spruce, M)	$ 342.90	$ 343.49	$ 315.42	$ 323.20*	319.01*
Sheathing, ply., fir. 3/8", 4'X8' sht.	10.06	9.79	9.35	9.15	9.26
Cement, 40 kg	8.23	8.35	8.47	8.57	8.52
Barn paint, oil base, gal.	21.02	21.49	20.15	20.38	20.26
Pipe, plastic, 3/4", 75 psi., 100' coil	18.93	19.01	18.14	18.43	18.27
Rods, re-enforcing 1/2", 6 metres	4.68	4.27	4.06	4.00	4.03
Barbed wire, 12 guage, double strand	48.77	47.29	44.29	44.27	44.28
Truck tires, 1st line, H78-15, ea.	72.58	72.46	72.70	73.70	73.16
Battery, 54 plate 12V, 60/70 amp (*70/80 amp)ea.	65.20	63.92	63.99	64.29*	64.13*
V Belt, 1/2" X 70", ea	8.80	8.84	10.59	10.05	10.34
Antifreeze, 4 litres	7.71	7.35	7.23	7.14	7.19
Mechanical repairs, per hour	30.33	30.59	31.15	31.10	31.13
Baler twine - sisal 9,000'	26.38	25.80	23.71	23.17	23.46
Farm labour, per month, without board	1,088.68	1,084.38	1,099.64	1,075.39	1,088.45
Tractor, 100 hp/up	51,415.06	53,606.08	58,559.38	58,974.43	58,750.94
Tractor, 170 hp/up	82,495.74	84,894.36	93,480.69	98,738.02	95,907.15
Combine, self-prop	87,303.61	90,858.91	112,737.51	115,015.80	113,789.02
Cultivator,hvy duty 20'/up(*chisel plow 19-21').	9,114.18	9,910.16	13,548.03	13,005.75*	13,297.75*
Baler, pull type (*round baler, pull type)	11,173.50	11,883.57	18,752.03	19,000.29*	18,866.62*
Double disc,lht duty 20'/up(*heavy duty 19-21').	8,474.50	8,389.54	15,598.91	15,862.13*	15,720.39*
Truck, 1/2 t., Ford/Chev	9,819.96	10,103.59	10,673.61	10,889.28	10,773.15
Calf starter supp., (20-24%), 25 kg	7.98	8.48	8.65	8.57	8.61
Dairy supp., (32%), 25 kg	8.33	8.87	9.02	8.91	8.97
Hog supp., (40%), 25 kg	11.41	12.11	11.98	11.11	11.58
*Broiler grower complete feed, (18-20%), 25 kg	10.86	11.03	11.24	8.80*	10.12*
Cattle mineral, 25 kg	16.33	16.14	16.44	16.71	16.56
Feed Barley, No. 1, (farm gate), bu	1.99	2.37	2.58	2.78	2.67
Hay, good quality baled, ton	74.51	73.16	76.94	90.45	83.18
Fertilizer, 46-0-0, tonne, bulk	0.00	0.00	283.57	290.13	286.60
Fertilizer, 11-51-00, tonne, bagged (*bulk).	390.38	409.50	386.25	388.64*	387.35*
Fertilizer, 82-0-0,tonne,bulk(plus applicator)	0.00	0.00	459.90	467.47	463.39
2-4D low volatile, 20 litres	66.39	64.77	53.45	54.21	53.80
Avadex BW, liquid, 5 gal	161.40	163.93	160.36	166.46	163.17
Trifluralin, treflan, 17 litre case	0.00	0.00	213.97	211.97	213.05
Penicillin, injectable, 100 cc	5.32	5.06	4.96	4.98	4.97
Vitamin A D E, injectable, 100 cc	5.15	4.98	4.92	4.93	4.92
Seed, wheat 100 kg, bagged (*bulk)	29.69	30.72	30.06	29.23*	29.68*
Seed, barley, 100 kg, bagged (*bulk)	25.04	29.10	28.38	27.69*	28.06*
Purple gasoline, 100 litres	30.25	31.47	31.90	35.19	33.42
Diesel fuel, 100 litres	28.58	29.83	30.17	33.49	31.70
Propane, bulk, 100 litres	21.24	21.59	21.89	22.85	22.33
Natural gas, gj	3.04	2.99	2.96	2.98	2.97
Oil, for diesel engines, 5 litres	0.00	0.00	7.51	7.91	7.69

*Denotes specifications change as indicated in brackets.

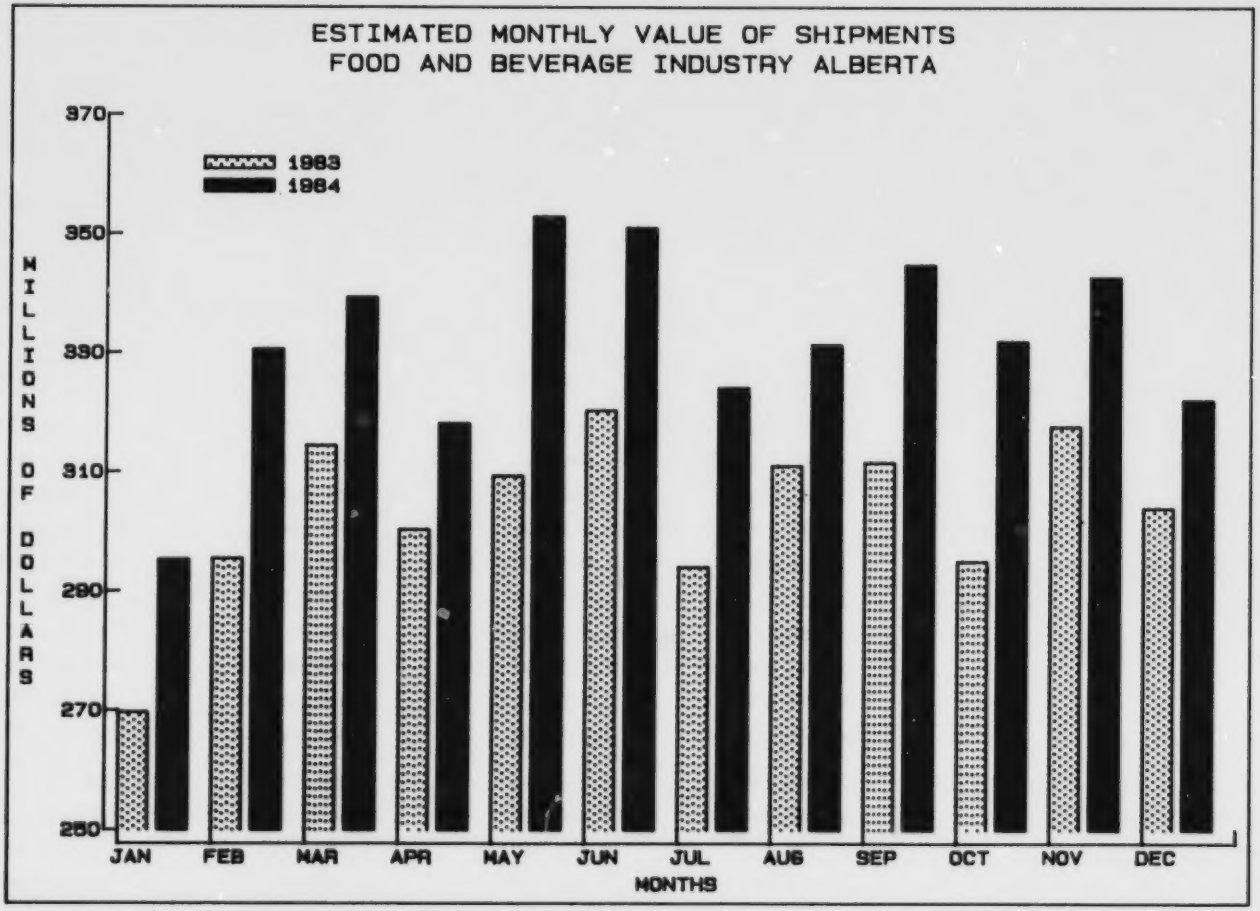
Table 8
FARM WAGES

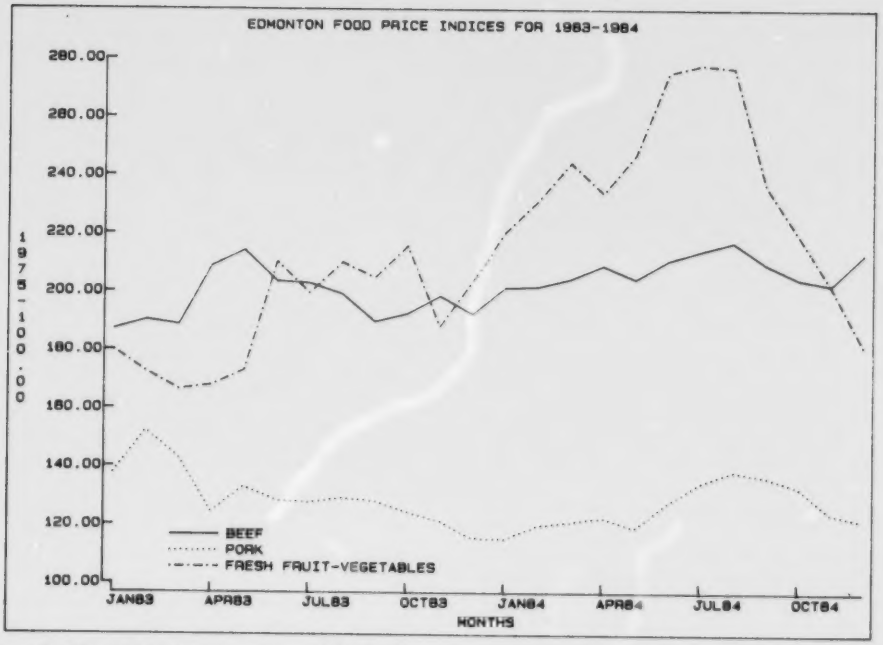
	Per Day		Per Month	
	1983	1984	1983	1984
	- dollars -			
With Board:				
February 15	36.38	37.04	820.00	855.00
May 15	36.82	38.26	839.00	862.00
August 15	36.82	38.26	842.00	864.00
November 15	37.04	38.87	848.00	880.00
Without Board:				
February 15	45.70	48.12	1,022.00	1,061.00
May 15	46.07	50.33	1,028.00	1,067.00
August 15	46.07	50.73	1,029.00	1,080.00
November 15	47.18	51.29	1,029.00	1,091.00

Table 9
FARM CAPITAL

	Land and Buildings	Livestock and Poultry	Implements and Machinery	Total
		- thousand dollars -		
1965	2,587,147	504,916	713,757	3,805,820
1966	2,865,472	567,192	785,032	4,217,696
1967	3,206,599	604,245	843,354	4,654,198
1968	3,479,502	579,155	901,989	4,960,646
1969	3,409,912	746,291	934,211	5,090,414
1970	3,240,849	797,276	956,970	4,995,095
1971	3,530,252	803,855	867,446	5,201,553
1972	4,143,591	1,016,172	905,851	6,065,614
1973	5,181,261	1,380,491	986,590	7,548,342
1974	6,975,770	1,366,308	1,275,851	9,617,929
1975	8,957,880	1,024,330	1,726,808	11,709,018
1976	10,627,528	1,125,454	2,110,053	13,863,035
1977	12,523,091	1,099,894	2,430,618	16,053,603
1978	14,942,972	1,710,604	2,791,088	19,444,664
1979	21,172,490	2,478,357	3,297,240	26,948,087
1980	27,137,589	2,551,751	3,842,797	33,532,137
1981	29,961,159	2,531,865	4,362,215	36,855,239
1982	30,260,771	2,523,719	4,614,416	37,398,906
1983	28,445,125	2,497,341	4,602,848	35,545,314
1984[p]	26,453,966	2,496,338	4,495,647	33,445,951

[p] preliminary


ESTIMATED MONTHLY VALUE OF SHIPMENTS
FOOD AND BEVERAGE INDUSTRY ALBERTA
1983
1984
MILLIONS OF DOLLARS
370
350
330
310
290
270
250
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
MONTHS



Retail prices of 60 food items are collected each week at the stores of major food chains in Edmonton and Calgary. Prices are weighted to account for the estimated market share held by each chain as well as the relative importance of each item in the total food at home budget.

In 1983, the retail price index of beef rose until May, followed by fluctuating downward movement June through December. The index rose continuously from January 1984 peaking in August then declining steadily until November when it showed a sharp increase to the end of the year.

The retail price index of pork rose sharply to February 1983 but dropped steadily until December. It remained at this level showing moderate increase until April 1984 when it dropped slightly in May. The index then rose steadily until August declining over the remainder of 1984.

The 1983 retail fresh fruit and vegetables price index rose sharply in June fluctuating at this level until late fall then dropping in November. It then rose steadily until leveling off in the summer of 1984, after which it dropped continuously, ending 1984 just slightly above the January 1983 level.

FIELD CROPS

In 1984, there was a slight increase in acres seeded to the principal crops over the previous record year of 1983. The increase was due largely to a decline in summerfallow acreage. Summerfallow accounted for about 4.7 million acres in 1984, down 4% from the 4.9 million acres left idle in 1983. Acres seeded to oats, barley, flaxseed, canola and hay were up in 1984, offsetting the declines in wheat, rye and summerfallow acreages.

A dry winter and a very early spring were the first signs of the drought that was experienced through much of southern Alberta in 1984. A need for rain was evident in many areas by mid-April, when both livestock water supplies and soil moisture levels were already low. Rain provided some short-term relief in late April and again in June, but sub-surface soil moisture remained low in many areas. The grasshopper population also increased as the dry, hot weather continued through the summer. Most northern regions received adequate, and in some cases excess, precipitation throughout the growing season. The Peace River area received over three times its normal amount of rainfall between April 1 and May 25. Northern areas received excess moisture in the fall as well, causing harvesting problems and quality reduction in grains. Vegetable producers are reported to have lost a large part of their crops due to the early cold temperatures and snowfall.

Frequent warm spells and light snowfall in the winter of 1983-84 caused early concern about drought and grasshoppers for many producers in southern and central areas of the province. Winterkill on fall rye was estimated to be 7%, down from 8% in 1983. Statistics Canada estimated winterkill on winter wheat to be 11%, up from 9% in 1983.

With below average snowfall recorded in many parts of Alberta during the winter of 1983-84, fields dried quickly and seeding was underway in all regions by April 30, about two weeks ahead of normal. May rains caused seeding delays in the Peace River Region while southern areas experienced high winds and soil drifting. Some fields had to be reseeded as a result. Frosts and cool temperatures persisted throughout May and crops were slow to emerge. Seeding operations in northern regions were again delayed by rains in June, although most of the wheat and much of the canola had already been planted. Eventually, seeding was completed in the northern areas when warm, dry weather returned.

Favorable growing conditions in northern and central areas persisted throughout June and July. However, crops and pastures in southern areas continued to deteriorate as available moisture was depleted and very little rain had fallen to replenish supplies. By late July, it was evident that crops in the dry areas would likely not recover from the effects of the drought. The Southern Region had generally received only two-thirds its normal amount of rainfall by this time.

The month of August remained dry in southern areas, with only scattered showers and hail. Pastures in many northern areas were also under stress because of heat and lack of moisture. Both surface and sub-surface moisture levels were rated as poor in the Grande Prairie district throughout the month.

By September 3, frosts were already reported in most regions and some possible grade reduction was expected. Cattlemen in some southern areas were weaning and selling calves in early September due to a lack of pasture and feed. Weights were reported to be below normal. General rains delayed harvesting throughout most of the province in September,

although southern areas were more than 75% completed harvest by this time. For southern and central parts of the province, the rains were welcome. Most northern areas were just getting their harvesting underway and the additional rains meant further delays and grade reduction.

By early October, the weather had cleared and harvesting operations were again proceeding. However, snow and rain in mid-October further delayed combining in northern areas. By the end of October, harvesting and fall fieldwork were virtually complete in all but the Peace River Region. Estimates vary, but roughly 15% to 25% of the crop in the Peace River Region was left out over winter. Western areas of the Region, including Grande Prairie, Beaverlodge and Spirit River, had the most combining left to do.

The drought experienced in many parts of Alberta had impacts on overall provincial production and yields. Wheat production was estimated to be down 29%, only 6% of which was explained by the decline in acres seeded. Barley production was down 10%, although total acres seeded were about 1% above the 1983 level. Similarly, oats production was down 6% while acres seeded were up over 4%. Provincial hay production was about 3% below the previous year's level. The only major crop to show increased production and yields was canola, with 16% more acres seeded and 21% more production than in 1983.

The drought affected yields in specialty crops as well, even though many are irrigated. Grain and silage corn yields were reported to be down 14% and 10%, respectively, from the previous year. Mustard and field pea yields were down 18% and 14%, respectively, while lentils were down 46%. Latest estimates contend that 10% to 15% of the sugar beet crop was left in the field, with total production estimated to be down 10% from 1983.

Statistics Canada estimates indicate that 550,000 acres of winter wheat were seeded in Alberta last fall. This is an increase of 83% over 1983. Fall rye acreage is also up considerably, estimated at 240,000 acres, an increase of 60% over a year ago.

Weather once again held the upper hand over Alberta's producers in 1984. A dry spring and summer seriously hampered crop and pasture growth in some areas while wet conditions delayed fieldwork in others. Hail, winds and insects compounded the problems. In the fall, early frosts and heavy rain and snowfall had further detrimental effects on grades and weights. All tolled, Alberta's producers harvested 12 million tonnes of grains and oilseeds in 1984, down about 16% from 1983. In terms of quality, the Alberta Wheat Pool estimated that about 82% of the hard red spring wheat graded in the No. 1, 2 and 3 CWRS categories, down about 12% from 1983. The distributions of barley and canola grades for 1984 were estimated to be similar to the previous year.

INSECTS AND DISEASES

Insects created considerable problems for Alberta farmers in 1984. The hot, dry summer in southern Alberta promoted grasshopper growth, resulting in the largest infested acreage since 1974. Half a million acres were sprayed in the Warner, Lethbridge, Vulcan and Willow Creek districts. Entomologists with Agriculture Canada predict a greater infestation could result in 1985 if southern Alberta experiences a mild winter and another warm and dry spring.

Other insects were also reported throughout the province in 1984. Cutworms caused notable damage for farmers in the Southern Region in the spring. Reseeding and spraying had to be carried out in several areas. Reports of cutworms were received from central regions while Bertha armyworms were observed in most parts of the province. Flea beetles

and alfalfa loopers were reported in several northern and central areas, as well as some tent caterpillar activity.

Various crop diseases were also noted throughout the year, although overall losses appear to have been low. Spraying for sclerotinia was underway in several areas in late June and early July. Tan spot, glumé blotch and spot blotch were also reported. Some severe root rot in wheat was reported in the Vermilion area in August.

HAIL AND WEATHER DAMAGE

Producers in Alberta took out more all-risk crop insurance in 1984 than ever before. The drought in southern Alberta and the wet spring and fall in northern regions were responsible for a record number of claims. By the end of the year, $198 million was paid out as insurance to Alberta producers. This is over 2½ times the $73.9 million in claims in 1983. This total does not include an additional 1,300 claims by policyholders with snowed-under crops in northern districts. Hail damage was up 30% over 1983.

IRRIGATION

The irrigation of field crops is a vital aspect of agriculture in Alberta and contributes to the stability of the southern Alberta economy. Approximately two thirds of Canada's total irrigated land is in Alberta and with the rehabilitation of the existing irrigation system, this acreage is expected to increase. About 4,200 farms utilize irrigation water to produce a wide variety of crops.

In southern Alberta, water for irrigation is mainly drawn from the Bow, Oldman and St. Mary rivers. In 1984, the thirteen irrigation districts had over 1 million acres of assessed irrigable land with approximately 940,000 acres actually irrigated.

Cereal grains and hay continue to be the most important crops grown under irrigation and accounted for over 74% of the irrigated acreage. In southern Alberta all of the sugar beets and over 85% of the total acreage of commercial vegetables and potatoes are under irrigation.

Table 10
IRRIGATION BY DISTRICT, 1984

District	Assessed Irrigable Acres*	Acres Actually Irrigated
Aetna	3,051	n/a
Bow River	182,529	156,886
Eastern	244,243	244,846
Leavitt	4,440	n/a
Lethbridge Northern	117,869	106,086
Magrath	13,047	14,207
Mountain View	3,710	n/a
Raymond	41,729	34,732
Ross Creek	1,776	n/a
St. Mary River	319,712	300,071
Taber	72,971	69,847
United	33,534	12,313
Western	84,182	n/a

* Permanent and Terminable Acres

Table 11
CROP ACRES IN THE MAJOR IRRIGATION DISTRICTS[1]

	1981	1982	1983	1984
			- acres -	
Total Grains[2]	446,143	475,304	539,073	506,402
Total Oilseeds[3]	30,809	38,349	31,894	70,206
Total Hay[4]	167,676	165,805	159,470	183,572
Total Tame Pasture	53,105	50,793	55,372	50,465
Total Other Fodder[5]	37,248	23,507	28,096	28,446
Total Sugar Beets	35,484	31,475	32,180	30,831
Total Potatoes	11,153	13,329	13,404	14,943
Total Other Specialty Crops[6]	48,552	60,593	51,985	48,199
Total Crops Irrigated	830,170	859,155	911,474	933,064
Total Summerfallow	8,769	8,462	9,640	5,924
Total Irrigated Cropland	838,939	867,617	921,114	938,988

[1] Does not include data for the Irrigation Districts of Aetna, Leavitt, Mountain View, Ross Creek and Western.

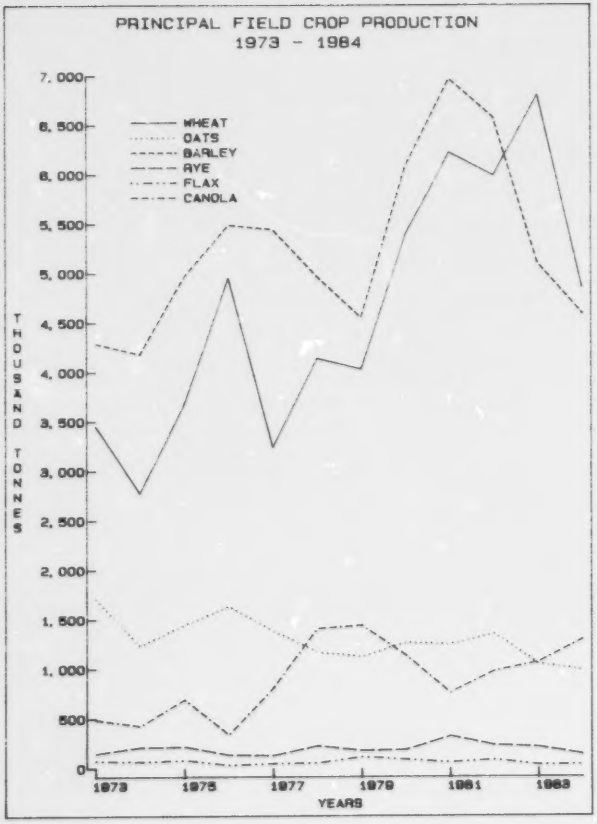
[2] Wheat, oats, barley, mixed grain and rye.

[3] Flaxseed, canola/rapeseed, sunflowers and mustard.

[4] Alfalfa hay and sweet clover hay.

[5] Greenfeed, silage corn, silage and grass hay.

[6] Peas, canning corn, timothy, brome grass, alfalfa seed, sweet clover seed, small seeds and misc. crops.


PRINCIPAL FIELD CROP PRODUCTION
1973 - 1984
WHEAT
OATS
BARLEY
RYE
FLAX
CANOLA
THOUSAND TONNES
7,000
6,500
6,000
5,500
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
1973
1975
1977
1979
1981
1983
YEARS

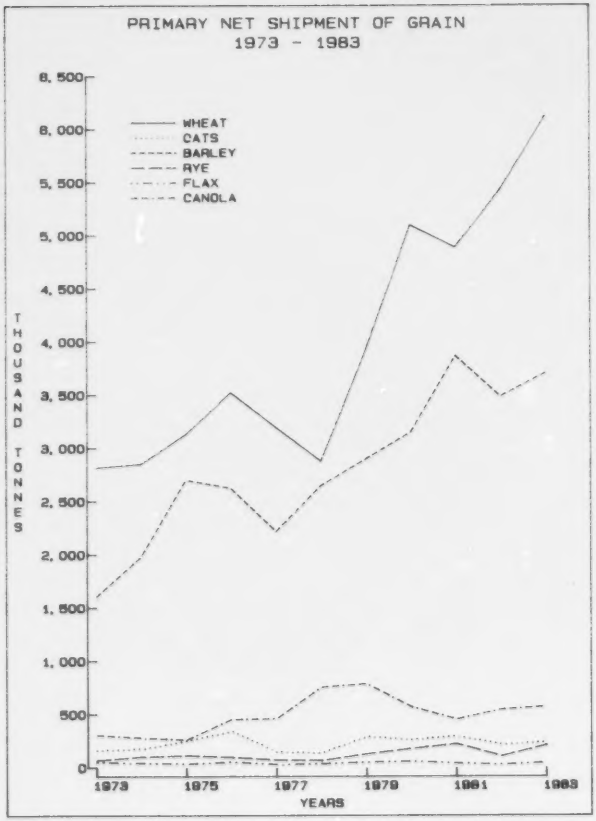

PRIMARY NET SHIPMENT OF GRAIN
1973 - 1983
WHEAT
OATS
BARLEY
RYE
FLAX
CANOLA
THOUSAND TONNES
6,500
6,000
5,500
5,000
4,500
4,000
3,500
3,000
2,500
2,000
1,500
1,000
500
0
1973
1975
1977
1979
1981
1983
YEARS

Table 12
MUNICIPAL CO-OPERATIVE SEED CLEANING

	1982-83	1983-84
	- bushels -	
Commercial Seed	24,263,671	24,356,602
Pedigree Seed	1,163,924	1,527,104
Total Seed	25,427,595	25,883,706
Dockage Removed	3,428,444	5,107,659
Total Cleaning	28,856,039	30,991,365
Average Per Plant	374,754	402,485
Treated Seed	2,660,539	2,771,752

Table 13
INTENDED AND SEEDED AREAS OF PRINCIPAL FIELD CROPS

	1983		1984	
	Intended	Seeded	Intended	Seeded
	- thousand acres -			
Winter Wheat	300	300	300	300
Spring Wheat	6,750	6,900	6,600	6,350
Durum Wheat	450	500	550	600
All Wheat	7,500	7,700	7,450	7,250
Oats[1]	1,600	1,600	1,800	1,800
Barley[1]	5,850	5,450	5,950	5,750
All Rye	280	255	210	195
Mixed Grain	150	150	130	140
Flaxseed	100	65	80	90
Rapeseed	2,100	2,500	2,500	2,900
Corn for Grain	11	12	20	15
Summerfallow	5,200	4,900	4,700	4,700

[1] Includes oats and barley for grain and for hay.

Note: Intentions at March 15.

Table 14
FERTILIZER SALES[1]

	1983	1984
	- tonnes -	
82-0-0-0 (Anhy. Amm.)	163 650	187 337
46-0-0-0 (Urea)	187 226	226 243
34-0-0-0 (Amm. No_3)	98 658	75 811
21-0-0-24 (Amm. SO_4)	19 096	16 757
28-0-0-0 (N. Soln.)	28 255	30 948
34-0-0-11	2 301	3 603
23-23-0-0	-	-
27-14-0-0	-	-
11-51-0-0 MAP	287 066	308 149
Other MAP	-	5 377
18-46-0-0 DAP	-	207
16-20-0-14 DAP	21 299	20 888
10-34-0-0 DAP	2 894	3 606
0-0-61-0 (KCL)	34 826	40 313
Others	10 289	908
Elemental S	-	4 341
Total	855 560	924 488
Nutrients:		
Nitrogen	303 815	335 906
Phosphate	152 294	166 831
Potash	21 267	24 900
Sulphur	7 842	7 191
Ag. Lime[2]	16 138	23 060

[1] Ending June 30.

[2] Alberta Agriculture - A.L.F.A. assistance total.

Table 15
HAIL AND CROP INSURANCE

	No. of Farmers Insured	Acres Insured	Premium Paid by Farmers*	Total Liability	Indemnities
		'000	$'000	$'000	$'000
1967	9,892	2,271	1,930	36,857	1,200
1968	15,763	3,910	3,449	63,950	5,508
1969	16,201	3,561	3,135	57,105	6,298
1970	12,856	2,306	2,102	31,941	1,699
1971	11,323	2,429	2,173	33,310	2,410
1972	10,202	2,314	2,146	37,073	2,119
1973	12,296	3,201	3,995	73,399	6,436
1974	13,883	3,838	7,229	125,863	13,806
1975	18,685	5,113	13,699	215,976	18,320
1976	18,580	5,343	15,274	229,289	16,500
1977	20,878	6,301	18,476	279,520	38,130
1978	19,258	5,908	18,222	259,967	22,686
1979	18,253	5,882	19,636	280,471	26,846
1980	18,862	6,640	26,718	381,048	32,026
1981	18,638	7,009	32,584	483,148	26,790
1982	18,323	7,204	34,978	547,384	62,411
1983	31,553	12,133	60,179	934,921	87,720
1984[P]	33,253	12,924	66,023	1,024,382	217,210

P preliminary

* Includes Provincial high risk subsidies.

Table 16
SUMMERFALLOW AREA

Census Division	1983	1984
	- thousand acres -	
1	560	574
2	568	584
3	127	134
4	663	638
5	823	817
6 & 9	161	145
7	482	424
8	58	50
10	501	486
11	132	107
12	108	94
13) 14)	140	125
15	577	522
Province	4,900	4,700

Table 17
AREA, YIELD AND PRODUCTION OF PRINCIPAL FIELD CROPS

Census Division	Area		Yield Per Acre		Production	
	1983	1984	1983	1984	1983	1984
	- acres -		- kilograms -		- tonnes -	
			ALL WHEAT			
1	704,000	699,000	855	510	601 000	355 000
2	996,000	944,000	980	685	975 000	645 000
3	391,000	369,000	755	390	296 000	144 000
4	656,000	671,000	745	455	489 000	304 000
5	1,198,000	1,131,000	900	590	1 079 000	666 000
6 & 9	312,000	312,000	1 000	570	312 000	178 000
7	1,057,000	997,000	830	715	879 000	714 000
8	121,000	95,000	1 165	1 075	141 000	102 000
10	921,000	839,000	825	915	762 000	767 000
11	138,000	136,000	950	1 080	131 000	147 000
12	130,000	124,000	915	820	119 000	102 000
13) 14)	155,000	95,000	910	1 000	141,000	95 000
15	921,000	838,000	955	765	879 000	639 000
Province	7,700,000	7,250,000	885	670	6 804 000	4 858 000
			OATS FOR GRAIN			
1	19,000	10,000	790	500	15 000	5 000
2	16,000	13,000	1 060	845	17 000	11 000
3	48,000	25,000	645	240	31 000	6 000
4	94,000	36,000	735	415	69 000	15 000
5	33,000	36,000	910	555	30 000	20 000
6 & 9	91,000	65,000	1 000	600	91 000	39 000

Census Division	Area 1983	Area 1984	Yield Per Acre 1983	Yield Per Acre 1984	Production 1983	Production 1984
	- acres -		- kilograms -		- tonnes -	
		OATS FOR GRAIN (cont'd.)				
7	147,000	161,000	870	670	128 000	108 000
8	80,000	79,000	1 140	1 000	91 000	79 000
10	183,000	229,000	845	855	155 000	196 000
11	125,000	178,000	920	1 010	115 000	180 000
12	110,000	137,000	955	830	105 000	114 000
13) 14)	118,000	123,000	965	1 025	114 000	126 000
15	86,000	108,000	1 025	815	88 000	88 000
Province	1,150,000	1,200,000	910	820	1 049 000	987 000
		BARLEY FOR GRAIN				
1	43,000	30,000	1 045	635	45 000	19 000
2	279,000	244,000	1 270	940	355 000	229 000
3	378,000	310,000	850	300	321 000	93 000
4	35,000	49,000	915	530	32 000	26 000
5	384,000	293,000	1 105	670	424 000	197 000
6 & 9	539,000	496,000	1 145	625	618 000	311 000
7	260,000	318,000	975	820	253 000	261 000
8	654,000	659,000	1 220	1 125	799 000	743 000
10	565,000	660,000	830	1 000	468,000	660,000
11	493,000	522,000	815	1 135	402 000	593 000
12	229,000	247,000	980	960	224 000	237 000
13) 14)	448,000	500,000	880	1 075	395 000	537 000
15	793,000	822,000	955	835	759 000	688 000
Province	5,100,000	5,150,000	1 000	895	5 095 000	4 594 000

A.R.A.	Area		Yield Per Acre		Production	
	1983	1984	1983	1984	1983	1984
	- acres -		- kilograms -		- tonnes -	
			FLAXSEED			
1	7,000	10,000	530	440	3 700	4 400
2	33,000	45,600	495	360	16 400	16 400
3	3,800	5,200	395	210	1 500	1 100
4A	6,800	9,400	455	350	3 100	3 300
4B	3,100	4,300	420	465	1 300	2 000
5	1,100	1,500	455	465	500	700
6	2,100	2,800	430	465	900	1 300
7	8,100	11,200	385	340	3 100	3 800
Province	65,000	90,000	470	365	30 500	33 000
			CANOLA / RAPESEED			
1	9,600	18,000	490	365	4 700	6 600
2	154,600	246,100	525	415	81 300	102 600
3	161,100	216,000	485	265	78 200	57 600
4A	406,500	470,900	470	450	190 900	211 000
4B	562,200	599,900	405	530	228 900	319 000
5	345,100	351,400	490	595	168 700	208 700
6	171,100	229,400	375	520	64 500	119 000
7	689,800	768,300	360	350	248 800	268 500
Province	2,500,000	2,900,000	425	445	1 066 000	1 293 000
			FALL RYE			
1-3	176,700	110,300	885	705	156 300	77 800
4A-6	33,300	36,400	770	870	25 600	31 600
7	5,000	3,300	700	725	3 500	2 400
Province	215,000	150,000	860	745	185 400	111 800

A.R.A.	Area		Yield Per Acre		Production	
	1983	1984	1983	1984	1983	1984
	- acres -		- kilograms -		- tonnes -	
			SPRING RYE			
1-3	17,700	20,000	590	435	10 400	8 700
4A-6	21,700	24,300	675	670	14 600	16 300
7	600	700	665	570	400	400
Province	40,000	45,000	635	565	25 400	25 400
			ALL RYE			
1-3	194,400	130,300	860	665	166 700	86 500
4A-6	55,000	60,700	730	790	40 200	47 900
7	5,600	4,000	695	700	3 900	2 800
Province	255,000	195,000	825	705	210 800	137 200
			TAME HAY			
1	154,100	153,900	1 725	1 075	265 700	165 800
2	267,600	293,800	2 425	2 390	648 300	702 400
3	398,500	407,700	1 065	745	424 100	302 800
4A	153,000	159,800	1 315	1 190	201 400	189 900
4B	203,800	211,600	1 565	1 665	319 200	351 900
5	869,100	910,200	1 895	1 650	1 645 500	1 502 300
6	921,900	981,100	1 745	1 720	1 609 600	1 686 800
7	732,000	781,900	1 935	1 850	1 418 200	1 448 100
Province	3,700,000	3,900,000	1 765	1 630	6 532 000	6 350 000
			OTHER CROPS			
Winter Wheat	300,000	300,000	955	725	286 000	218 000
Durum Wheat	500,000	600,000	815	475	408 000	286 000
Mixed Grains	150,000	140,000	1 035	950	155 000	133 000
Corn for Grain	12,000	15,000	2 650	2 285	31 800	34 300
Peas, dry	14,000	18,000	1 050	905	14 700	16 300
Lentils	2,000	2,000	350	200	700	400
Mustard Seed	65,000	55,000	385	315	24 900	17 200
Potatoes	18,500	20,500	10 790	10 340	199 600	212 000
Sugar Beets	32,000	29,000	17 810	17 725	570 000	514 000
Fodder Corn	24,000	24,000	15 875	14 375	381 000	345 000

Table 18
SEEDED AREA AND PRODUCTION ON SUMMERFALLOW AND STUBBLE

	Seeded Area		Distribution		Average Yield Per Seeded Acre		Production	
	1983	1984	1983	1984	1983	1984	1983	1984
	- '000 acres -		- per cent -		- kilograms -		- '000 tonnes -	
WHEAT								
Summerfallow	3,444	2,945	45	41	915	690	3 152	2 030
Stubble	4,256	4,305	55	59	860	655	3 652	2 828
Total	7,700	7,250	100	100	885	670	6 804	4 858
OATS FOR GRAIN								
Summerfallow	288	237	25	20	995	885	287	210
Stubble	862	963	75	80	885	805	762	777
Total	1,150	1,200	100	100	910	820	1 049	987
BARLEY FOR GRAIN								
Summerfallow	581	582	11	11	1 170	1 005	681	584
Stubble	4,519	4,568	89	89	975	880	4 414	4 010
Total	5,100	5,150	100	100	1 000	890	5 095	4 594
FLAXSEED								
Summerfallow	29	52	45	58	n/a	n/a	n/a	n/a
Stubble	36	38	55	42	n/a	n/a	n/a	n/a
Total	65	90	100	100	460	365	30	33
CANOLA/RAPESEED								
Summerfallow	908	1,084	36	37	480	500	438	540
Stubble	1,592	1,816	64	63	395	415	628	753
Total	2,500	2,900	100	100	425	445	1 066	1 293

Table 19
PRECIPITATION RECORDED AT SELECTED ALBERTA STATIONS

Stations	April 1 - October 31 Incl. 1983	1984	Normal
	- millimetres -		
Medicine Hat	201.1	199.9	250.7
Brooks	236.3	283.6	233.4
Lethbridge	248.6	280.3	315.1
Pincher Creek	225.4	279.7	391.2
Calgary	233.7	321.7	341.7
Coronation	363.8	365.2	287.4
Red Deer	294.7	369.6	379.0
Rocky Mtn House	373.6	402.3	435.7
Lloydminster	294.6	438.8	288.6
Vegreville	444.8	357.7	331.4
Edmonton	344.7	367.6	354.4
Whitecourt	481.1	520.2	414.7
Cold Lake	273.8	395.1	357.5
Fort McMurray	299.5	482.9	345.9
Grande Prairie	422.0	432.4	302.6
Peace River	383.1	428.3	269.1
High Level	270.7	389.4	310.1

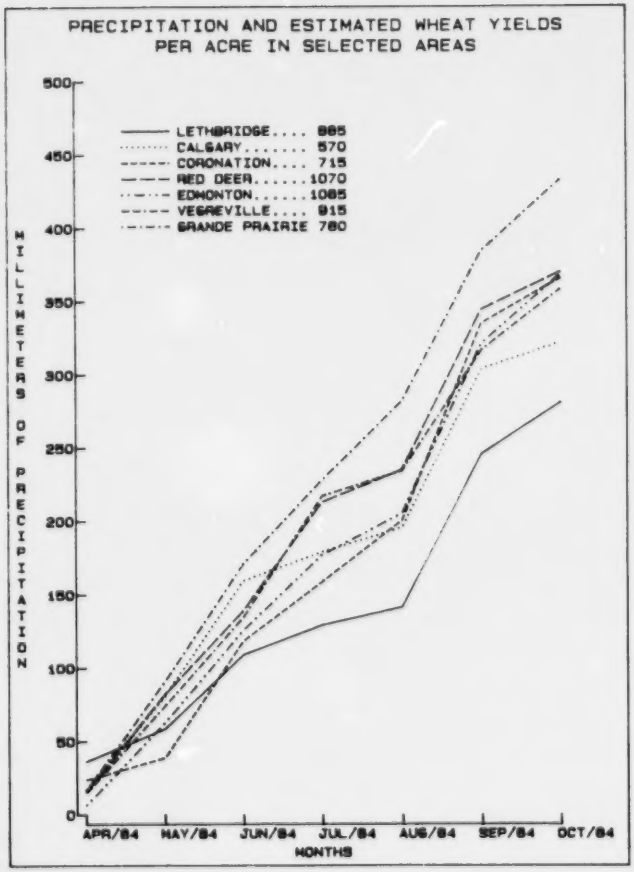


Table 20
WHEAT BOARD PAYMENTS, 1984-85

	Initial Payment	Adjustment Payment
	- dollars per tonne -	
WHEAT[1]		
No. 1 C.W. Red Spring (13.5)	157.93	-
No. 1 C.W. Red Spring	155.72	-
No. 2 C.W. Red Spring	149.93	-
No. 3 C.W. Red Spring	144.93	-
No. 1 C.W. Experimental	140.93	-
No. 2 C.W. Experimental	132.93	-
No. 1 Canada Utility	140.93	-
No. 2 Canada Utility	126.93	-
Canada Feed	123.93	-
No. 1 C.W. Red Winter	144.93	-
No. 2 C.W. Red Winter	141.93	-
No. 3 C.W. Red Winter	135.93	-
No. 1 C.W. Soft White Spring	132.93	-
No. 2 C.W. Soft White Spring	129.93	-
No. 3 C.W. Soft White Spring	123.93	-
No. 1 C.W. Amber Durum	165.72	-
No. 2 C.W. Amber Durum	162.93	-
No. 3 C.W. Amber Durum	160.93	-
OATS[2]		
No. 1 C.W.	87.92	-
No. 2 C.W.	85.92	-
Ex. No. 1 Feed	83.92	-
No. 1 Feed	81.92	-
No. 2 Feed	77.84	-
No. 3 Feed	74.84	-
DESIGNATED OATS[2]		
No. 1 C.W.	121.92	-
No. 2 C.W.	119.92	-
Ex. No. 1 Feed	117.92	-
No. 1 Feed	115.92	-
No. 2 Feed	111.92	-

	Initial Payment	Adjustment Payment
	- dollars per tonne -	
BARLEY[2]		
No. 1 C.W. 6-Row	96.95	15.00
No. 2 C.W. 6-Row	95.95	15.00
No. 1 C.W. 2-Row	96.95	15.00
No. 2 C.W. 2-Row	95.95	15.00
No. 1 Feed	94.02	15.00
No. 2 Feed	91.45	15.00
No. 3 Feed	86.45	15.00
DESIGNATED BARLEY[3]		
No. 1 C.W. 6-Row	125.29	15.00
No. 2 C.W. 6-Row	124.02	15.00
No. 1 C.W. 2-Row	125.29	25.00
No. 2 C.W. 2-Row	124.02	25.00
No. 1 Feed	120.79	15.00
No. 2 Feed	118.79	15.00
No. 3 Feed	115.79	15.00

1 Deductions include freight at $6.93 per tonne (31.43 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $5.85 per tonne and $1.50 per tonne for removal of dockage (Alberta Wheat Pool).

2 Deductions include freight at $6.93 per tonne (31.43 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $8.70 per tonne and $2.45 per tonne for removal of dockage (Alberta Wheat Pool).

3 Deductions include freight at $6.93 per tonne (31.43 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $7.30 per tonne and $1.75 per tonne for removal of dockage (Alberta Wheat Pool).

Table 21
WHEAT BOARD PAYMENTS, 1983-84
(Effective August 1, 1983)

	Initial Payment	Adjust. Payment	Final Payment	Realized Payment
	- dollars per tonne -			
WHEAT[1]				
No. 1 C.W. R.S.(13.5)	160.45	-	26.85	187.30
No. 1 C.W. R.S.	158.24	-	23.98	182.22
No. 2 C.W. R.S.	152.45	-	26.02	178.47
No. 3 C.W. R.S.	147.45	-	19.35	166.80
No. 1 C.U.	143.45	-	19.35	162.80
No. 2 C.U.	129.45	-	22.78	152.23
Canada Feed	126.45	-	7.25	133.70
No. 1 C.W. R.W.	147.45	-	19.35	166.80
No. 2 C.W. R.W.	144.45	-	20.35	164.80
No. 3 C.W. R.W.	138.45	-	23.35	161.80
No. 1 C.W. S.W.S.	135.45	-	26.52	161.97
No. 2 C.W. S.W.S.	132.45	-	28.52	160.97
No. 3 C.W. S.W.S.	126.45	-	30.52	156.97
No. 1 C.W. A.D.	153.24	15.00	24.04	192.28
No. 2 C.W. A.D.	150.45	15.00	21.83	187.28
No. 3 C.W. A.D.	148.45	15.00	18.83	182.28
OATS[2]				
No. 1 C.W.	65.44	25.00	13.11	103.55
No. 2 C.W.	63.44	25.00	13.23	101.67
Ex. No. 1 Feed	61.44	25.00	9.81	96.25
No. 1 Feed	59.44	25.00	6.61	91.05
No. 2 Feed	55.36	25.00	7.69	88.05
No. 3 Feed	52.36	25.00	8.69	86.05
DESIGNATED OATS[2]				
No. 1 C.W.	109.44	15.00	16.83	141.27
No. 2 C.W.	107.44	15.00	16.83	139.27
Ex. No. 1 Feed	105.44	15.00	12.33	132.77
No. 1 Feed	103.44	15.00	10.33	128.77
No. 2 Feed	99.44	15.00	12.33	126.77

	Initial Payment	Adjust. Payment	Final Payment	Realized Payment
	- dollars per tonne -			
BARLEY[3]				
No. 1 C.W. 6-Row	84.47	15.00	28.59	128.06
No. 2 C.W. 6-Row	83.47	15.00	28.59	127.06
No. 1 C.W. 2-Row	84.47	15.00	28.59	128.06
No. 2 C.W. 2-Row	83.47	15.00	28.59	127.06
No. 1 Feed	81.54	15.00	28.02	124.56
No. 2 Feed	78.97	15.00	29.90	123.87
No. 3 Feed	73.97	15.00	31.09	120.06
DESIGNATED BARLEY[3]				
No. 1 C.W. 6-Row	127.81	-	27.82	155.63
No. 2 C.W. 6-Row	126.54	-	28.08	154.62
No. 1 C.W. 2-Row	127.81	-	37.63	165.44
No. 2 C.W. 2-Row	126.54	-	36.62	163.16
No. 1 Feed	123.31	-	30.22	153.53
No. 2 Feed	121.31	-	28.82	150.13
No. 3 Feed	118.31	-	30.42	148.73

1 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $6.25 per tonne and $1.10 per tonne for removal of dockage (Alberta Wheat Pool).

2 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $9.40 per tonne and $1.75 per tonne for removal of dockage (Alberta Wheat Pool).

3 Deductions include freight at $4.41 per tonne (20 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $7.80 per tonne and $1.25 per tonne for removal of dockage (Alberta Wheat Pool).

Table 22
WHEAT BOARD PAYMENTS, 1983-84
(Effective January 1, 1984)

	Initial Payment	Adjust. Payment	Final Payment	Realized Payment
	- dollars per tonne -			
WHEAT[1]				
No. 1 C.W. R.S(13.5)	159.71	-	26.85	186.56
No. 1 C.W. R.S	157.50	-	23.98	181.48
No. 2 C.W. R.S.	151.71	-	26.02	177.73
No. 3 C.W. R.S.	146.71	-	19.35	166.06
No. 1 C.U.	142.71	-	19.35	162.06
No. 2 C.U.	128.71	-	22.78	151.49
Canada Feed	125.71	-	7.25	132.96
No. 1 C.W. R.W.	146.71	-	19.35	166.06
No. 2 C.W. R.W.	143.71	-	20.35	164.06
No. 3 C.W. R.W.	137.71	-	23.35	161.06
No. 1 C.W. S.W.S.	134.71	-	26.52	161.23
No. 2 C.W. S.W.S.	131.71	-	28.52	160.23
No. 3 C.W. S.W.S.	125.71	-	30.52	156.23
No. 1 C.W. A.D.	152.50	15.00	24.04	191.54
No. 2 C.W. A.D.	149.71	15.00	21.83	186.54
No. 3 C.W. A.D.	147.71	15.00	18.83	181.54
OATS[2]				
No. 1 C.W.	64.70	25.00	13.11	102.81
No. 2 C.W.	62.70	25.00	13.23	100.93
Ex. No. 1 Feed	60.70	25.00	9.81	95.51
No. 1 Feed	58.70	25.00	6.61	90.31
No. 2 Feed	54.62	25.00	7.69	87.31
No. 3 Feed	51.62	25.00	8.69	85.31
DESIGNATED OATS[2]				
No. 1 C.W.	108.70	15.00	16.83	140.53
No. 2 C.W.	106.70	15.00	16.83	138.53
Ex. No. 1 Feed	104.70	15.00	12.33	132.03
No. 1 Feed	102.70	15.00	10.33	128.03
No. 2 Feed	98.70	15.00	12.33	126.03
BARLEY[3]				
No. 1 C.W. 6-Row	83.73	15.00	28.59	127.32
No. 2 C.W. 6-Row	82.73	15.00	28.59	126.32
No. 1 C.W. 2-Row	83.73	15.00	28.59	127.32
No. 2 C.W. 2-Row	82.73	15.00	28.59	126.32
No. 1 Feed	80.80	15.00	28.02	123.82
No. 2 Feed	78.23	15.00	29.90	123.13
No. 3 Feed	73.23	15.00	31.09	119.32
DESIGNATED BARLEY[3]				
No. 1 C.W. 6-Row	127.07	-	27.82	154.89
No. 2 C.W. 6-Row	125.80	-	28.08	153.88
No. 1 C.W. 2-Row	127.07	-	37.63	164.70
No. 2 C.W. 2-Row	125.80	-	36.62	162.42
No. 1 Feed	122.57	-	30.22	152.79
No. 2 Feed	120.57	-	28.82	149.39
No. 3 Feed	117.57	-	30.42	147.99

1 Deductions include freight at $5.15 per tonne (23.37 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $6.25 per tonne and $1.10 per tonne for removal of dockage (Alberta Wheat Pool).

2 Deductions include freight at $5.15 per tonne (23.37 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $9.40 per tonne and $1.75 per tonne for removal of dockage (Alberta Wheat Pool).

3 Deductions include freight at $5.15 per tonne (23.37 cents per cwt.) Calgary or Edmonton to Vancouver; estimated elevation charges of $7.80 per tonne and $1.25 per tonne for removal of dockage (Alberta Wheat Pool).

Table 23
AVERAGE MONTHLY CASH GRAIN PRICES, 1983-84

	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Year
	- dollars per tonne -												
WHEAT - Canadian Wheat Board Basis in Store Vancouver													
1 C.W. R.S. 13.5%	238.64	238.42	234.19	230.86	229.66	232.36	229.80	239.22	246.06	249.59	249.40	249.30	238.96
1 C.W. R.S. 12.5%	235.04	234.82	230.59	227.26	226.06	228.76	226.20	235.62	242.46	245.99	245.80	245.70	235.36
1 C.W. R.S. 11.5%	228.04	227.82	223.59	220.26	219.06	221.76	219.20	228.62	235.46	238.99	238.80	238.70	228.36
2 C.W. R.S. 13.5%	233.04	232.82	228.59	225.26	224.06	226.76	224.20	233.62	240.46	243.99	243.80	243.70	233.36
3 C.W. R.S. . . .	223.04	222.82	218.59	215.26	214.06	216.76	214.20	223.62	230.46	233.99	233.80	233.70	223.36
1 C.W. R.W. . . .	225.04	224.82	220.59	217.26	216.06	218.76	216.20	225.62	232.46	235.99	235.80	235.70	225.36
2 C.W. R.W. . . .	223.04	222.82	218.59	215.26	214.06	216.76	214.20	223.62	230.46	233.99	233.80	233.70	223.36
3 C.W. R.W. . . .	220.04	219.82	215.59	212.26	211.06	213.76	211.20	220.62	227.46	230.99	230.80	230.70	220.36
1 C.W. A.D. . . .	234.18	250.52	246.20	245.52	245.25	232.43	226.89	229.48	233.51	237.64	239.48	237.29	238.20
2 C.W. A.D. . . .	229.18	245.52	241.20	240.52	240.25	227.43	221.89	224.48	228.51	232.64	234.48	232.29	233.20
3 C.W. A.D. . . .	224.18	240.52	236.20	235.52	235.25	222.43	216.89	219.48	223.51	227.64	230.22	227.29	228.26
OATS - Domestic - Canadian Wheat Board Basis in Store Thunder Bay													
1 C.W.	146.50	155.10	161.50	161.50	161.50	161.50	161.50	161.50	161.50	161.50	166.30	166.50	160.53
2 C.W.	144.50	153.10	159.50	159.50	159.50	159.50	159.50	159.50	159.50	159.50	164.30	164.50	158.53
Ex. 1 Fd. . . .	138.00	146.60	153.00	153.00	153.00	153.00	153.00	153.00	153.00	153.00	157.80	158.00	152.03
1 Feed	138.52	136.41	130.47	130.18	129.23	127.49	126.16	137.00	140.27	142.58	148.49	145.41	136.02
2 Feed	135.52	133.41	127.47	127.18	126.23	124.49	123.16	134.00	137.27	139.58	145.49	142.41	133.02
3 Feed	133.52	131.41	125.47	125.18	124.23	122.49	121.16	132.00	135.27	137.58	143.49	140.41	131.02

	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Year
						- dollars per tonne -							
	BARLEY - Canadian Wheat Board Basis in Store Thunder Bay												
Malting:													
1 C.W. 6-Row . .	170.50	186.00	186.00	186.00	179.60	176.00	175.50	173.84	180.60	181.00	185.80	189.75	180.88
2 C.W. 6-Row . .	169.50	185.00	185.00	185.00	178.60	175.00	174.50	172.84	179.60	180.00	184.80	188.75	179.88
1 C.W. 2-Row . .	180.50	196.00	196.00	196.00	189.60	186.00	185.50	183.84	190.60	191.00	195.80	199.75	190.88
2 C.W. 2-Row . .	179.50	195.00	195.00	195.00	188.60	185.00	184.50	182.84	189.60	190.00	194.80	198.75	189.88
Domestic:													
1 Feed	156.92	154.65	148.45	148.08	143.61	139.98	136.57	147.53	154.12	154.65	159.22	156.12	149.99
2 Feed	156.22	153.95	147.75	147.38	142.91	139.28	135.87	146.83	153.42	153.95	158.52	155.42	149.29
3 Feed	152.42	150.15	143.95	143.58	139.11	135.48	132.07	143.03	149.62	150.15	154.72	151.62	145.49
	RYE - Winnipeg Commodity Exchange Basis in Store Thunder Bay												
1 Canada	145.58	160.51	151.72	151.78	143.02	139.53	129.73	134.06	135.24	139.95	144.45	134.16	142.47
2 Canada	143.48	158.51	149.72	149.78	141.02	137.53	127.73	132.06	133.24	137.95	142.45	132.16	140.47
3 Canada	115.48	130.51	121.72	121.78	113.02	109.53	99.73	104.06	105.24	109.95	114.45	104.16	112.47
Ergoty	106.38	119.55	112.72	112.78	104.02	100.53	90.73	95.06	96.29	100.95	105.45	95.16	103.30
	FLAXSEED - Winnipeg Commodity Exchange Basis in Store Thunder Bay												
1 Canada	344.05	396.36	379.06	366.30	375.55	370.44	359.47	358.14	352.34	374.56	351.84	336.78	363.74
2 Canada	342.05	394.36	377.06	364.30	373.55	368.44	357.42	356.14	350.34	372.56	349.84	334.78	361.74
3 Canada	309.05	361.36	344.06	331.30	340.55	335.44	324.47	323.14	317.34	339.56	316.84	301.78	328.74
	CANOLA/RAPESEED - Winnipeg Commodity Exchange Basis in Store Vancouver												
1 Canada	365.06	417.52	414.97	401.25	395.23	418.60	399.21	424.09	454.90	586.90	643.91	529.43	454.26
2 Canada	352.06	404.62	401.97	388.25	382.23	405.17	386.21	411.09	441.90	573.90	630.91	516.43	441.23

Table 24
NON-BOARD GRAIN PRICES, 1983-84

	Aug.	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Year
	- dollars per tonne -												
LETHBRIDGE													
Wheat	144.40	149.92	143.67	149.18	149.55	149.92	149.92	147.71	149.92	154.32	160.57	161.31	150.86
Oats	97.91	103.75	107.64	119.31	123.85	120.61	120.61	116.72	123.20	130.33	138.76	133.57	119.69
Barley	90.48	97.37	109.31	117.58	118.96	117.58	113.45	112.99	117.58	125.39	135.03	135.03	115.90
CALGARY													
Wheat	144.40	146.98	149.18	149.18	148.08	147.71	147.71	144.77	146.98	150.28	162.78	159.47	149.79
Oats	87.54	93.37	105.69	110.23	110.88	110.88	112.18	111.53	115.42	120.61	126.44	125.79	110.88
Barley	87.73	96.45	107.48	111.61	110.23	111.15	109.77	109.77	112.07	117.12	129.52	128.60	110.96
RED DEER													
Wheat	142.57	150.65	149.92	146.98	149.18	148.45	144.77	142.20	146.98	148.81	152.12	152.86	147.96
Oats	79.76	88.18	98.56	97.91	99.21	114.12	106.34	104.40	106.99	110.23	114.12	110.23	102.50
Barley	84.51	93.70	107.94	109.77	110.23	111.15	109.77	108.39	111.15	117.12	119.88	119.42	108.58
VERMILION													
Wheat	134.12	133.38	148.81	148.81	148.81			no quotations					
Oats	71.33	76.51	85.59	93.37	97.26			no quotations					
Barley	82.67	91.40	104.26	107.02	105.64	110.23	105.18	106.10	109.77	114.36	119.42	110.23	105.52
EDMONTON													
Wheat	142.93	151.75	155.06	152.86	151.02	152.12	151.02	150.28	150.65	153.59	161.67	158.00	152.58
Oats	81.70	90.78	102.45	105.04	105.04	106.99	106.34	106.34	110.23	115.42	121.25	113.47	105.42
Barley	85.89	95.08	109.31	111.61	112.53	113.45	112.99	112.99	113.91	118.50	123.09	115.74	110.42
PEACE RIVER													
Wheat	138.89	139.26	140.36	140.36	140.36	145.51	151.02	149.18	135.22	149.18	158.73	160.57	145.72
Oats	74.57	83.65	94.02	99.21	99.21	102.45	103.10	103.10	106.99	111.53	121.25	120.61	101.64
Barley	83.13	89.56	94.62	99.67	99.67	106.56	114.36	109.77	112.99	117.58	125.85	124.01	106.48

Table 25
ESTIMATED SUPPLIES ON FARMS

	1981-82	1982-83	1983-84
	- '000 tonnes -		
WHEAT			
Carryover	355	1 010	500
Production	6 221	5 988	6 804
Total Supplies	6 576	6 998	7 304
OATS			
Carryover	230	230	350
Production	1 249	1 357	1 049
Total Supplies	1 479	1 587	1 399
BARLEY			
Carryover	610	1 070	1 560
Production	6 967	6 575	5 095
Total Supplies	7 577	7 645	6 655
RYE			
Carryover	20	38	60
Production	320	228	210
Total Supplies	340	266	270
FLAXSEED			
Carryover	10	3	10
Production	56	81	31
Total Supplies	66	84	41
CANOLA/RAPESEED			
Carryover	170	34	15
Production	760	975	1 066
Total Supplies	930	1 009	1 081

Table 26
STOCKS OF GRAIN ON FARMS AT JULY 31

	Wheat	Oats	Barley	Rye	Flaxseed	Canola/ Rapeseed
	- '000 tonnes -					
1961	762	308	392	15	10	
1962	408	293	305	15	8	
1963	326	401	348	8	5	N
1964	544	586	544	13	5	/
1965	572	355	435	20	5	A
1966	626	386	435	25	10	
1967	1 089	463	675	18	10	9
1968	1 415	339	631	20	3	18
1969	2 313	447	1 393	25	5	4
1970	2 722	555	1 676	36	5	2
1971	1 851	478	631	46	53	2
1972	1 034	370	653	51	18	79
1973	544	339	827	18	3	2
1974	408	278	566	25	5	16
1975	354	231	479	36	13	34
1976	299	262	544	41	13	136
1977	1 334	308	631	25	5	11
1978	599	386	1 350	25	3	14
1979	1 361	355	1 393	97	5	91
1980	680	231	501	56	3	130
1981	355	230	610	20	10	170
1982	1 010	230	1 070	38	3	34
1983	500	350	1 560	60	10	15
1984	460	200	570	30	3	3

Table 27
FORAGE SEED CROPS INSPECTED FOR PEDIGREE STATUS

	1983	1984
	- acres -	
Alfalfa	14,000	14,090
Alsike Clover	1,600	2,830
Altai Wild Ryegrass	320	335
Birdsfoot Trefoil	340	410
Bromegrass	4,400	4,580
Cicer Milkvetch	60	30
Creeping Red Fescue	7,000	8,845
Crested Wheatgrass	780	1,230
Orchardgrass	160	200
Red Clover (single cut)	1,700	1,095
Reed Canarygrass	25	25
Sainfoin	4	-
Tall Wheatgrass	8	-
Timothy	6,600	9,875

Table 28
FORAGE SEED PRODUCTION COMMERCIAL AND PEDIGREE

	1983	1984
	- '000 kg -	
Alfalfa	1 500	2 000
Alsike Clover	2 250	2 500
Bromegrass	700	900
Creeping Red Fescue	4 200	6 000
Crested Wheatgrass	100	100
Red Clover (single cut)	2 500	2 250
Sweet Clover	200	200
Timothy	750	1 400

Table 29
PROCESSED ALFALFA PRODUCTION

	Total Production	Exports	Value F.O.B. Plant
	- tonnes -		$'000
1973-74	48 000	-	4,800
1974-75	82 000	14 000	6,300
1975-76	97 000	29 000	8,200
1976-77	130 000	83 000	12,000
1977-78	166 000	87 000	13,800
1978-79	164 000	114 000	13,600
1979-80	181 000	130 000	17,900
1980-81	139 000	80 000	18,500
1981-82	122 000	68 000	13,500
1982-83	132 000	94 000	16,800
1983-84	201 000	151 000	28,600

Table 30
TAME HAY PRODUCTION

	Area	Yield Per Acre	Production
	'000 ac.	- kilograms -	'000 tonnes
1980	3,500	1 635	5 715
1981	3,500	1 735	6 080
1982	3,500	1 580	5 535
1983	3,700	1 765	6 530
1984	3,900	1 630	6 350

Table 31
FODDER CORN PRODUCTION

		1983	1984
Area	ac.	24,000	24,000
Yield	kg/ac.	15 875	14 375
Production	tonnes	381 000	345 000
Average Value	$/tonne	30.00	35.00

Table 32
DRY BEAN PRODUCTION

	Area	Yield Per Acre	Production
	acres	- kilograms -	tonnes
1980	8,423	504	4 248
1981	8,413	531	4 467
1982	8,154	515	4 199
1983	2,830	742	2 100
1984	4,800	667	3 200

Note: Dry bean yield and production data are on a cleaned or net basis.

Table 33
SUGAR BEET INDUSTRY

		1982	1983	1984
Contracted	ac.	32,161	32,354	32,075
Planted	ac.	31,833	31,833	31,559
Harvested	ac.	30,502	31,563	28,830
Production	tonnes	474 866	569 846	513 197
Average Yield	kg/ac.	15 560	18 050	17 800
Paid for Beets	$/tonne	45.52	38.76	n/a
Sugar Content	%	16.2	16.5	15.4
Sugar Produced	kg/tonne	114.7	106.4	99.4
Sugar Produced	kg/ac.	1 785	1 920	1 770

Table 34
COMMERCIAL VEGETABLE PRODUCTION

	Area		Production	
	1983	1984	1983	1984
	- acres -		- tonnes -	
Cabbage	450	600	2 630	2 810
Carrots	750	650	8 165	3 265
Corn, fresh	690	690	1 930	2 355
Cucumbers	200	200	490	610
Onions	210	210	1 765	1 720
Rutabagas	230	150	3 485	1 495
Potatoes	18,500	20,500	199 600	212 000

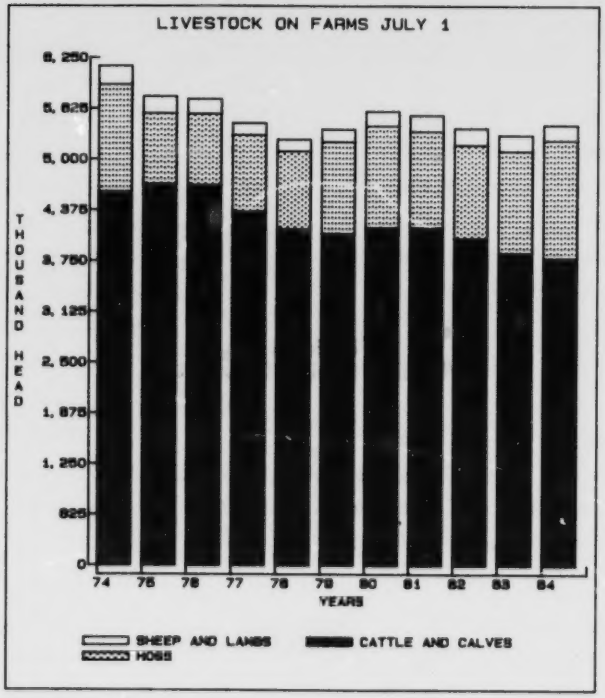
LIVESTOCK

The year 1984 was a very difficult one for producers as a growing number experienced financial difficulties. The Farm Credit Corporation estimated that about 20 per cent of producers across Canada were in moderate to severe financial trouble by the end of the year. Farm cash income in Alberta increased by only 2 per cent, compared to over 6 per cent nationally.

Increased hog marketings in the province depressed prices slightly from year earlier levels while cattle prices increased from reduced inventories and marketings. Sheep and lamb prices firmed considerably despite a significant increase in marketings. However, a substantial portion of producer's earnings, particularly in southern Alberta, was spent on feed as prices soared following the summer drought.

The winter of 1983-84 was relatively mild as periods of light snowfall were interspersed with frequent warm spells. Total snowfall in many areas of the province was below average. These conditions were a benefit as well as a detriment to producers. While winter feed requirements were reduced, livestock had to be carried late into the spring because pasture regeneration was severely hampered by the cool, dry weather. Livestock were generally in good condition at winter's end. Record calf crops were reported in many districts.

For the second straight year, a mild winter was followed by an early spring with lower than average moisture conditions. This provided the first warning of the subsequent summer drought. By mid-April, livestock water supplies and soil moisture levels were running low in many southern and northeastern areas. However, timely rains in late April provided some relief.



Cool, frosty weather prevailed all through May and early June, slowing down pasture and hay growth. Water supplies continued to be deficient in many regions because of inadequate spring precipitation. Conditions were greatly improved with the arrival of warm weather and rains in mid-June.

Favourable weather persisted in central and northern areas throughout June and July. Haying operations were underway by the end of June, with the

exception of the Peace River Region where extremely heavy rains caused delays. The Southern and South Central Regions remained dry with only intermittent, light rains while pastures continued to deteriorate.

In August all regions, other than the Peace River Region, were dry and most pastures were showing evidence of moisture stress. The Prairie Livestock Drought Assistance Program was announced on August 10, 1984 in recognition of the drought and imminent feed shortages. It's objective was to encourage producers to carry a minumum of 75 per cent of their female breeding herd through the winter of 1984-85.

Calves were being weaned and marketed in the southern regions of the province as early as the first week of September because of the poor state of pastures and a general lack of feed. In the north, rains during September delayed haying operations and affected quality in some areas. Owing to improved conditions in October, most producers (with the exception of those in the Peace River Region) had completed their operations by the end of the month.

Alberta's hay yield in 1984 has been estimated at slightly over 1.6 tonnes per acre but there were wide variations across the province. Yields in dryland southern areas were the lowest while the Peace River Region generally had above average yields. Total estimated tame hay production in 1984 was 6.4 million tonnes, almost unchanged from the 6.5 million tonnes produced in 1983.

At the approach of the 1984-85 winter, most areas of the North West and Peace River Regions had adequate to surplus feed supplies. However, in the Southern and South Central Regions feed supplies ranged from short to adequate. Many producers in these southern regions had to procure additional expensive feed from the north for the winter. Livestock were in fair to excellent condition across the province.

Prices

Decreased North American inventories, coupled with the effects of a devalued Canadian dollar in comparison to the U.S. dollar, strengthened cattle prices in 1984. Slaughter cattle prices followed traditional trends, rising through the first quarter to mid-spring peaks and then declining during the summer and early fall. The average price of A1,2 slaughter steers at Calgary increased by almost $4 per cwt., from $71.54 to $75.53, after four consecutive years of decline. In Edmonton the increase was even higher, at $4.23 per cwt.

Feeder cattle prices fluctuated but remained generally strong throughout the year. At Calgary, the average price of good feeder steers increased to $76.50 per cwt. from $73.98 per cwt. in 1983. Cow prices, on the other hand, were only marginally higher than year earlier levels.

Slaughter hog prices in 1984 showed considerable variation from 1983 prices. The average price of index 100 hogs (Edmonton) dropped by $0.94 per cwt. to $68.86 per cwt. while live sows averaged $39.06 per cwt. (an increase of $3.27 per cwt. from 1983) and of dressed sows averaged close to the 1983 price. Feeder hog prices dropped significantly in comparison to 1983. Feeders in the 75-100 lb. range averaged $50.34 per cwt., down $10.99 per cwt.

Alberta sheep producers obtained record level prices in 1984. Average A,B (80 lbs. +) lamb prices at the Edmonton stockyard rose markedly to $70.30 per cwt. from $59.28 per cwt. in 1983. There were similar sharp increases in the prices of the other lamb categories but the increases in sheep prices were more moderate. D1,2 sheep averaged $32.63 per cwt., up $3.67 per cwt. from the previous year average.

Marketings

Slaughter cattle and calf marketings in Alberta have continued to decline after reaching a 6 year peak of 1,350,418 in 1982. In 1984, the number of steers and heifers marketed at stockyards and shipped directly to packing plants was 3 per cent below the 1983 level while bull, cow and calf marketings rose by 43 per cent, 14 per cent and 21 per cent, respectively. Overall, slaughter cattle and calf marketing dropped from 1,327,755 in 1983 to 1,315,934.

Following a reduction of 1 per cent in 1983, cattle and calf slaughter in federally and provincially inspected plants declined by a further 4 per cent in 1984 to 1,282,571. The estimated cold dressed carcass output of beef and veal from this volume of slaughter is 755 million pounds, down 5 per cent from 1983.

Shipments of live cattle to out-of-province destinations increased by 66,534 head, or 22 per cent, from a year earlier to 371,783. Ontario accounted for 45 per cent of the shipments, with the United States next at 28 per cent. Shipments to the other western provinces and the United States were substantially above 1983 levels.

A total of 1,526,011 hogs were slaughtered in federally and provincially inspected plants in the province, a decrease of 6 per cent from 1983. This is the lowest slaughter volume since 1979. Estimated pork production (cold dressed weight) during the year was down 5 per cent to 209 million pounds. Hog marketings totalled 1,691,274, up 6 per cent from 1983.

Sheep and lamb marketings in the province rose again after declining in 1983. The 1983 decrease was the first since 1978. In 1984, there was an increase of nearly 14 per cent, from 75,044 to 85,179 head. Slaughter in federally and provincially inspected plants increased by 19 per cent to 112,794. Estimated lamb and mutton production, on a cold dressed weight basis, was 5.4 million pounds, compared to 4.4 million pounds in 1983.

Numbers

Cattle and calf numbers in North America continued to decline in 1984. In Alberta, inventories decreased by just under 2 per cent, marking the fourth straight year of decline. Since the reduction began in 1980, the provincial herd has decreased by an estimated 375,000 head. The National Livestock Survey estimate of cattle and calf numbers on Alberta farms as at July 1, 1984 was 3,780,000. This is a 13 year low.

Hog numbers rose substantially in 1984, the second straight year of increase following successive decreases in 1981 and 1982. The estimated hog population as at July 1, 1984 was 1,450,000 head, a remarkable increase of 16 per cent over the July 1, 1983 estimate of 1,250,000. The breeding herd accounted for 8 per cent of the increase, rising to 156,000 from 140,000.

The July 1, 1984 estimate of sheep and lamb numbers in Alberta was 190,000, down approximately 4 per cent from the previous year's estimate. The breeding herd declined by 4 per cent while lambs were down 3 per cent from 1983.

Table 35
COWS BRED BY ARTIFICIAL INSEMINATION

Breed of Sire	1983 Total Cows	1984 Total Cows
Ayrshire	278	336
Brown Swiss	246	315
Guernsey	171	94
Holstein-Friesian (B&W)	9,192	8,967
Jersey	672	608
Other	168	165
Total Dairy	10,727	10,485
Aberdeen Angus (Black)	1,425	1,197
Aberdeen Angus (Red)	395	437
Blonde d'Aquitaine	17	14
Charolais	973	1,014
Gelbvieh	102	114
Hays Converter	8	1
Hereford	2,601	2,000
Limousin	439	360
Maine Anjou	142	60
Murray Grey	42	34
Pinzgauer	42	78
Salers	1,477	541
Shorthorn	92	86
Simmental	1,463	1,336
Other	366	433
Total Beef	9,584	7,705
Grand Total	20,311	18,190

Note: These totals do not include semen sold directly to owner - inseminators or semen purchased and resold.

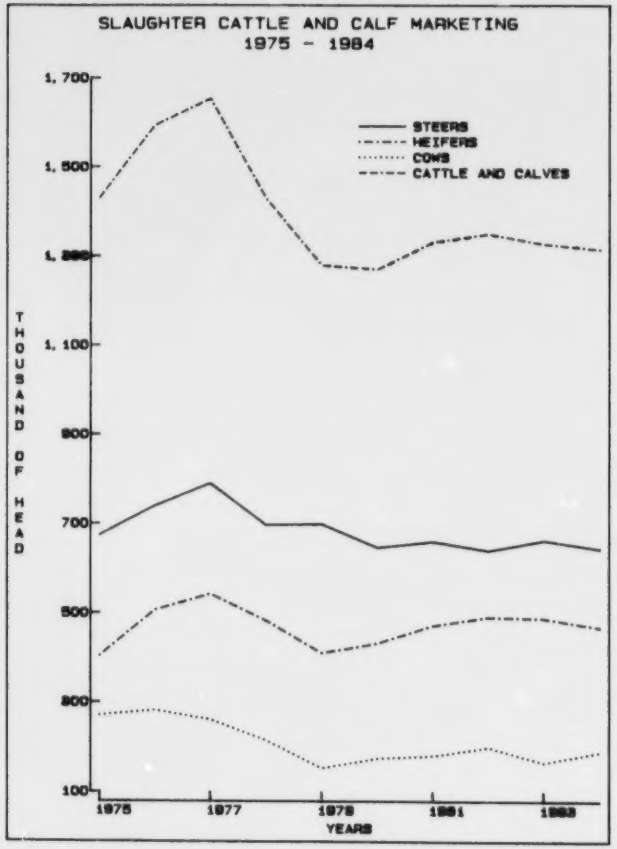


Table 36
CATTLE AND CALVES ON FARMS, JULY 1

1983

Census Division	Bulls	Milk Cows	Dairy Heifers	Beef Cows	Beef Heifers For Breeding	Calves	Heifers For Slaughter	Steers	Total
					- thousands -				
1	4.5	3.5	1.0	71.0	12.1	64.0	14.0	20.0	190.1
2	7.6	15.0	5.4	107.0	13.6	99.0	54.0	87.0	388.6
3	6.5	6.9	2.0	101.0	19.0	91.0	26.0	50.0	302.4
4	5.5	3.5	0.8	97.0	13.7	83.0	11.0	17.0	231.5
5	5.2	5.5	1.3	69.0	9.6	62.0	32.0	70.0	254.6
6	9.0	10.5	4.0	118.0	21.5	102.0	30.0	77.0	372.0
7	7.6	7.0	1.7	120.0	17.1	103.0	21.0	33.0	310.4
8	8.9	22.5	7.0	142.0	20.3	136.0	48.0	73.0	457.7
9	-	-	-	6.0	0.6	4.0	-	2.0	12.6
10	7.9	17.0	3.8	119.0	19.0	106.0	20.0	34.0	326.7
11	7.2	32.6	14.0	97.0	17.3	94.0	19.0	38.0	319.1
12	3.7	9.6	1.9	69.0	10.7	57.0	8.0	11.0	170.9
13	6.0	16.5	4.8	118.0	21.5	100.0	14.0	27.0	307.8
14	1.0	0.6	0.5	16.0	2.5	13.0	2.0	4.0	39.6
15	4.4	6.3	1.8	65.0	11.5	56.0	6.0	10.0	161.0
Province	85.0	157.0	50.0	1,315.0	210.0	1,170.0	305.0	553.0	3,845.0

1984

Census Division	Bulls	Milk Cows	Dairy Heifers	Beef Cows	Beef Heifers For Breeding	Calves	Heifers For Slaughter	Steers	Total	1984 as % 1983
					- thousands -					
1	4.2	4.6	1.3	65.0	9.9	61.0	16.0	18.0	180.0	94.7
2	7.5	14.9	4.3	106.0	14.2	97.0	57.0	84.0	384.9	99.0
3	6.3	7.2	2.1	92.0	19.4	82.0	26.0	46.0	281.0	92.9
4	5.2	3.1	0.5	91.0	12.8	78.0	11.0	15.0	216.6	93.6
5	5.0	5.1	1.4	71.0	9.0	56.0	27.0	73.0	247.5	97.2
6	8.8	11.8	3.6	116.0	19.6	100.0	28.0	78.0	365.8	98.3
7	7.2	7.2	2.0	115.0	17.3	99.0	17.0	29.0	293.7	94.6
8	9.1	23.6	8.8	144.0	29.1	141.0	40.0	71.0	466.6	101.9
9	-	-	-	5.0	0.5	3.0	-	2.0	10.5	83.3
10	8.5	16.9	3.9	121.0	19.2	106.0	22.0	40.0	337.5	103.3
11	6.4	32.0	12.6	96.0	16.4	94.0	23.0	37.0	317.4	99.5
12	3.5	7.2	1.8	68.0	10.5	59.0	9.0	10.0	169.0	98.9
13	6.1	15.0	4.2	114.0	22.6	97.0	16.0	29.0	303.9	98.7
14	1.0	1.2	0.6	17.0	2.9	12.0	3.0	5.0	42.7	107.8
15	4.2	7.2	1.9	65.0	11.6	55.0	5.0	13.0	162.9	101.2
Province	83.0	157.0	49.0	1,286.0	215.0	1,140.0	300.0	550.0	3,780.0	98.3

Table 37
SLAUGHTER CATTLE AND CALF MARKETINGS

Marketed at Stockyards and Shipped Directly to Packing Plants

	Steers				Heifers					
	A1,2 1000+	A1,2 -1000	A3,4	B & C	A1,2 850+	A1,2 -850	A3,4	B & C	Cows	Bulls
	- number -									
Jan	39,432	2,172	3,848	1,153	28,846	4,243	3,883	2,181	15,598	519
Feb	40,912	2,686	4,763	1,335	28,457	3,471	3,517	2,600	14,646	503
Mar	51,137	4,732	5,232	2,220	26,158	7,101	2,854	3,287	14,090	634
Apr	38,742	2,244	2,400	2,574	27,175	5,228	2,124	2,913	10,533	705
May	49,999	3,662	2,275	2,583	32,758	3,908	1,961	2,960	10,546	630
Jun	58,806	3,488	2,798	3,645	39,645	4,338	2,681	3,421	14,147	1,091
Jul	45,153	2,185	2,696	2,589	29,611	2,876	2,276	2,374	10,888	767
Aug	31,900	2,440	2,148	1,862	24,380	3,507	2,400	2,061	8,148	586
Sep	59,493	2,012	6,410	2,680	34,167	1,903	3,879	3,001	17,487	1,053
Oct	44,302	2,349	4,834	2,176	24,700	2,703	2,840	2,449	16,985	787
Nov	38,936	2,049	2,805	2,354	26,980	1,961	2,201	2,845	27,523	1,120
Dec	42,743	2,411	2,435	1,836	34,264	2,909	2,602	2,773	29,081	858
1984	541,555	32,430	42,644	27,007	357,141	44,148	33,218	32,865	189,672	9,253
1983	547,749	40,824	53,621	20,359	337,680	67,723	52,150	30,376	165,828	6,491
1982	520,827	51,236	42,659	25,034	325,726	90,107	43,602	31,620	199,616	14,616

	Total Slaughter Cattle	Calves				Total Slaughter Calves	Delivered to		Total
		White Veal	Good Veal	Good Butcher	Common all wts.		Yards	Plants	
					- number -				
Jan	101,875	192	5	37	166	400	214	102,061	102,275
Feb	102,890	161	8	38	224	431	-	103,321	103,321
Mar	117,445	163	3	47	191	404	-	117,849	117,849
Apr	94,638	151	5	12	245	413	-	95,051	95,051
May	111,282	341	5	16	83	445	-	111,727	111,727
Jun	134,060	376	13	16	48	453	349	134,164	134,513
Jul	101,415	285	1	5	112	403	360	101,458	101,818
Aug	79,432	248	1	30	124	403	1,020	78,815	79,835
Sep	132,085	289	9	17	331	646	567	132,164	132,731
Oct	104,125	335	27	24	138	524	104	104,545	104,649
Nov	108,774	315	6	16	379	716	6	109,484	109,490
Dec	121,912	206	-	73	484	763	-	122,675	122,675
1984	1,309,933	3,062	83	331	2,525	6,001	2,620	1,313,314	1,315,934
1983	1,322,801	1,756	250	583	2,385	4,974	2,188	1,325,587	1,327,775
1982	1,345,043	840	388	882	3,265	5,375	104,928	1,245,490	1,350,418

Table 38
AVERAGE MONTHLY CATTLE PRICES, EDMONTON

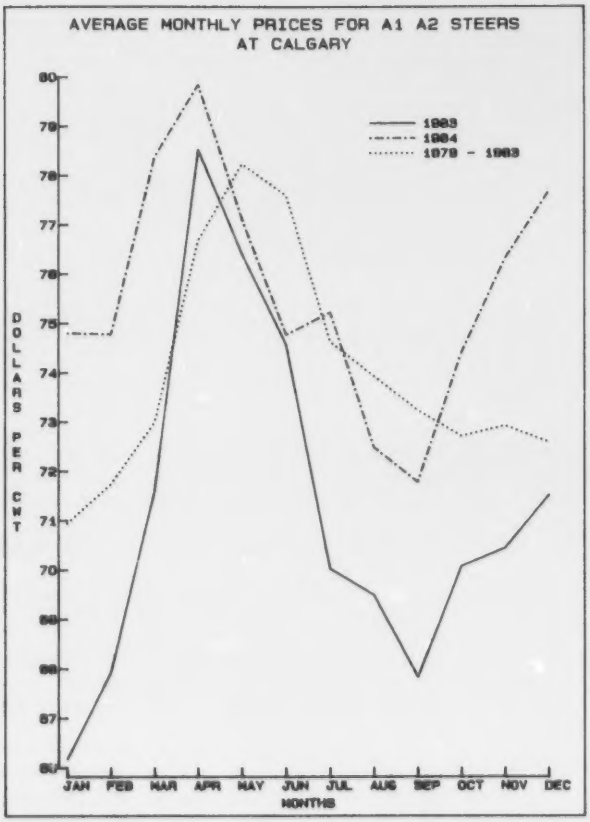
	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
	1983												
Slaughter Cattle													
Steers													
A1,2 1000 lbs+ . .	65.98	67.18	73.37	75.65	76.23	73.02	69.30	69.49	67.47	69.44	69.02	72.65	71.43
A1,2 -1000 lbs . .	-	65.67	71.40	73.00	73.00	74.28	68.10	68.51	66.31	67.00	65.00	69.40	68.67
A3,4	-	-	-	-	-	67.50	-	-	-	-	-	-	67.50
B & C.	51.93	54.83	60.45	62.78	58.24	60.83	63.68	61.96	58.03	53.84	55.56	54.00	57.52
Heifers													
A1,2 850 lbs+. . .	61.93	63.68	65.73	70.66	70.05	69.66	67.22	67.41	64.24	66.78	63.94	67.57	66.76
A1,2 -850 lbs. . .	61.78	62.29	64.68	69.14	68.82	69.00	66.98	66.00	63.13	64.40	61.53	66.80	66.29
A3,4	-	-	-	-	-	65.00	-	-	-	-	-	-	65.00
B & C.	49.66	50.38	53.65	57.31	55.38	57.15	56.80	55.17	52.46	53.33	51.35	49.02	53.26
Cows													
D1,2	38.99	43.68	50.06	50.15	52.13	49.69	50.33	46.94	43.69	39.41	36.88	40.52	45.55
D3,5	35.12	38.00	46.16	45.70	48.20	46.24	45.74	42.16	38.60	35.90	33.51	34.99	40.54
D4	33.83	37.67	42.73	42.22	43.23	42.46	43.00	39.90	38.55	34.18	33.50	33.50	39.70
Bulls	47.62	55.10	56.69	59.03	57.85	58.74	59.28	57.25	53.66	50.76	46.19	50.24	54.00
Feeders													
Good Steers													
800 lbs+	73.79	74.66	75.44	76.26	75.32	75.27	75.70	74.00	70.93	72.40	69.67	74.82	73.77
700-800 lbs. . . .	75.41	76.51	77.08	79.44	77.71	78.00	78.53	75.91	73.41	73.42	73.25	76.49	76.43
600-700 lbs. . . .	76.97	78.07	78.36	80.88	79.53	81.07	81.93	80.19	74.69	75.74	76.71	79.26	78.44
Off Type 600 lbs+.	61.83	65.05	67.00	68.13	61.78	68.32	68.12	66.04	60.37	61.07	61.93	66.19	64.42
Good Heifers													
700 lbs+	63.93	68.14	70.15	71.96	71.00	71.80	71.97	70.70	65.99	65.82	64.41	68.28	68.50
600-700 lbs. . . .	65.92	72.55	73.08	73.65	73.37	75.05	73.52	72.62	67.64	68.03	68.84	70.82	71.47
500-600 lbs. . . .	68.46	73.57	74.22	75.02	75.07	76.32	74.85	73.67	68.06	70.66	72.34	74.17	73.07
Off Type 500 lbs+.	52.94	56.16	59.12	60.27	55.34	57.25	61.23	57.32	53.32	55.78	52.71	58.71	56.55
Cows	36.55	42.82	47.29	48.27	48.69	48.77	49.17	47.79	43.76	42.15	43.49	42.64	43.79

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
	1984												
Slaughter Cattle													
Steers													
A1,2 1000 lbs+ . .	74.46	74.28	75.53	77.03	76.34	74.51	74.72	73.39	73.01	73.20	74.51	77.11	74.96
A1,2 -1000 lbs . .	72.00	74.81	76.14	75.89	74.38	73.51	72.96	72.13	70.20	71.70	72.85	78.00	73.72
A3,4	-	-	-	-	-	-	-	-	-	71.00	-	-	71.00
B & C.	63.48	63.55	63.38	67.47	65.37	64.26	59.54	62.63	56.78	60.61	61.31	61.04	62.74
Heifers													
A1,2 850 lbs+. . .	70.01	68.28	71.88	71.90	71.41	70.31	70.62	70.61	70.70	69.21	70.12	72.00	70.73
A1,2 -850 lbs. . .	-	66.30	70.57	70.42	68.47	69.17	69.42	69.88	69.22	68.38	69.00	70.38	69.32
A3,4	-	-	-	-	-	-	-	-	-	68.00	-	-	68.00
B & C.	55.58	53.23	56.85	58.79	60.50	57.91	56.36	57.81	53.86	55.94	52.44	53.14	56.48
Cows													
D1,2	43.18	45.60	51.12	50.37	48.63	50.41	49.14	45.31	46.20	43.68	39.35	43.97	46.04
D3,5	37.71	40.15	46.02	45.46	44.94	45.15	44.73	40.75	39.95	37.74	32.34	38.78	40.58
D4	36.73	37.94	42.14	44.33	44.87	43.94	44.00	42.75	43.44	39.10	32.85	40.12	39.23
Bulls	53.36	52.83	58.15	59.81	57.99	57.65	57.30	58.75	54.26	50.79	43.72	47.00	54.06
Feeders													
Steers Graded													
800 lbs+	78.69	77.69	76.98	74.80	72.70	74.67	76.10	74.63	74.64	75.04	74.21	77.76	75.48
700-800 lbs. . . .	80.90	80.95	79.35	76.26	76.11	77.15	78.00	76.56	76.04	76.85	76.64	80.08	77.76
600-700 lbs. . . .	82.88	82.95	81.24	79.14	79.23	79.64	79.78	78.06	76.75	79.59	79.44	81.48	80.40
Off Type 600 lbs+ .	65.73	66.81	69.00	69.01	66.90	65.15	64.21	61.75	64.46	64.14	64.66	61.11	65.65
Heifers Graded													
700 lbs+	73.61	72.30	72.80	71.65	68.32	69.39	71.66	71.13	70.38	78.57	71.50	72.12	71.19
600-700 lbs. . . .	75.65	74.46	74.40	72.90	70.77	72.54	74.40	72.19	71.69	79.34	73.21	74.10	73.10
500-600 lbs. . . .	77.45	76.71	75.52	74.56	72.13	73.87	74.36	73.00	73.24	77.61	75.11	74.97	75.20
Off Type 500 lbs+ .	57.67	60.84	56.73	56.08	56.77	57.56	61.08	74.75	58.72	61.92	60.75	54.51	58.18
Cows	44.37	46.36	48.33	47.98	46.60	48.90	49.00	-	43.39	44.62	38.61	43.92	44.75

Table 39
AVERAGE MONTHLY CATTLE PRICES, CALGARY

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
	1983												
Slaughter Cattle													
Steers													
A1,2 1000 lbs+ . .	66.17	67.93	71.60	78.52	76.40	74.56	70.02	69.49	67.83	70.08	70.44	71.51	71.54
A1,2 -1000 lbs . .	65.10	67.83	71.48	77.02	76.20	71.90	68.86	68.57	67.24	69.17	70.63	73.07	71.46
A3,4	62.75	65.20	68.14	76.31	73.02	70.88	66.48	65.95	65.12	64.89	68.12	67.00	68.86
B & C.	57.21	61.63	64.96	70.73	70.11	64.74	64.34	63.52	60.63	60.89	62.39	63.03	63.74
Heifers													
A1,2 850 lbs+. . .	63.14	63.29	68.24	74.82	71.52	70.78	68.22	67.64	65.85	69.21	67.73	68.12	68.23
A1,2 -850 lbs. . .	63.98	-	68.50	72.13	70.87	69.84	67.35	67.65	64.54	68.05	66.90	66.83	68.98
A3,4	57.56	61.56	64.92	68.33	68.30	67.25	64.80	63.64	62.00	63.71	64.93	64.84	63.81
B & C.	50.02	55.05	59.51	65.70	60.89	60.31	60.45	57.26	56.65	56.50	55.12	54.75	58.19
Cows													
D1,2	39.50	45.29	51.98	51.51	50.96	51.24	52.03	49.02	44.21	40.30	39.50	42.07	46.58
D3,5	35.84	42.71	47.09	47.63	46.93	46.18	48.69	46.48	40.59	36.74	35.61	37.73	41.75
D4	34.05	40.60	45.20	44.70	44.71	43.28	45.98	43.59	38.01	35.32	34.76	36.31	40.04
Bulls	46.54	58.02	56.88	57.33	55.87	58.62	60.00	54.85	54.13	51.24	48.02	50.14	54.68
Feeders													
Good Steers													
800 lbs+	75.13	77.85	79.50	79.18	76.35	77.31	73.71	74.05	71.38	72.00	72.76	76.65	73.98
700-800 lbs. . . .	76.37	79.87	80.86	81.77	76.88	79.10	75.70	75.79	72.78	76.26	76.20	79.81	78.16
600-700 lbs. . . .	76.74	82.03	82.91	84.02	80.49	80.91	77.06	78.84	74.57	78.96	82.01	85.18	80.93
Off Type 600 lbs+ .	68.35	71.29	74.31	74.94	70.95	71.31	67.11	68.30	66.05	68.58	69.50	70.74	70.30
Good Heifers													
700 lbs+	69.64	72.46	72.07	76.28	72.93	73.90	72.30	71.69	69.71	69.56	69.29	72.52	71.40
600-700 lbs. . . .	69.34	73.96	73.90	75.52	74.54	75.82	72.42	74.06	70.35	70.06	70.21	72.63	73.26
500-600 lbs. . . .	68.04	74.10	76.68	75.00	77.00	76.00	70.17	75.00	-	-	-	-	73.73
Off Type 500 lbs+ .	61.27	66.51	68.99	69.44	67.10	66.97	65.08	65.28	62.62	63.34	62.31	65.00	66.05
Cows	44.84	48.06	54.88	52.69	53.11	50.94	55.00	54.59	47.23	45.32	42.41	44.86	47.33

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
	1984												
Slaughter Cattle													
Steers													
A1,2 1000 lbs+ . .	74.80	74.78	78.38	79.84	77.11	74.76	75.21	72.48	71.77	74.40	76.31	77.68	75.53
A1,2 -1000 lbs . .	73.88	-	77.33	77.59	74.13	72.80	73.41	72.41	71.13	73.20	74.04	76.17	73.46
A3,4	72.05	70.45	73.86	75.79	73.25	70.99	71.15	68.71	68.43	71.71	72.59	73.67	72.45
B & C.	66.19	65.91	68.45	70.61	65.16	65.67	66.03	64.99	62.03	65.81	67.11	63.43	66.39
Heifers													
A1,2 850 lbs+. . .	72.90	72.79	75.49	75.64	73.90	71.54	73.17	71.25	71.16	73.00	73.61	73.65	72.95
A1,2 -850 lbs. . .	71.67	-	75.38	74.94	70.67	70.17	72.63	69.57	70.25	71.99	73.14	72.98	70.94
A3,4	69.81	68.94	71.99	72.61	69.31	67.46	69.93	67.11	66.70	69.96	70.58	70.51	69.79
B & C.	62.65	59.20	62.13	65.91	59.32	60.53	62.22	61.48	60.30	57.87	61.59	59.88	61.06
Cows													
D1,2	43.74	45.76	52.11	51.08	49.62	50.24	51.10	49.28	46.37	45.65	41.67	45.66	46.88
D3,5	39.94	42.04	48.75	47.58	46.66	46.49	46.55	44.94	42.23	41.12	37.40	39.77	42.68
D4	37.76	40.38	47.04	46.66	45.22	45.34	45.00	43.69	40.02	40.35	36.10	38.66	41.72
Bulls	48.53	52.81	57.35	61.10	58.74	59.29	59.97	57.77	54.22	51.68	48.12	52.74	55.58
Feeders													
Steers Graded													
800 lbs+	77.38	78.00	79.59	76.59	77.32	75.46	75.70	74.25	75.72	78.34	75.53	80.97	76.50
700-800 lbs. . . .	82.51	84.50	80.48	79.04	79.70	78.54	79.52	75.46	77.42	81.82	80.51	81.69	80.38
600-700 lbs. . . .	85.06	85.79	84.40	81.42	81.18	79.93	81.90	78.15	79.07	87.37	83.25	84.38	84.00
Off Type 600 lbs+ .	75.98	76.80	76.38	70.82	73.31	73.91	71.80	69.33	71.56	75.82	73.19	74.80	73.59
Heifers Graded													
700 lbs+	73.18	76.10	76.54	75.43	72.81	71.53	72.36	71.49	72.78	73.74	74.04	73.43	73.40
600-700 lbs. . . .	75.97	78.80	76.66	76.75	73.15	72.51	76.02	72.99	71.66	77.06	74.87	76.19	75.81
500-600 lbs. . . .	-	-	-	-	72.00	72.50	80.00	69.25	-	-	-	-	73.78
Off Type 500 lbs+ .	63.39	70.41	69.37	69.29	67.69	66.52	66.72	65.63	66.02	69.31	67.03	67.69	67.96
Cows	44.92	49.00	55.58	55.12	53.97	54.92	54.69	50.91	50.08	50.25	47.04	48.72	50.18


AVERAGE MONTHLY PRICES FOR A1 A2 STEERS
AT CALGARY
1983
1984
1979 - 1983
DOLLARS PER CWT
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTHS

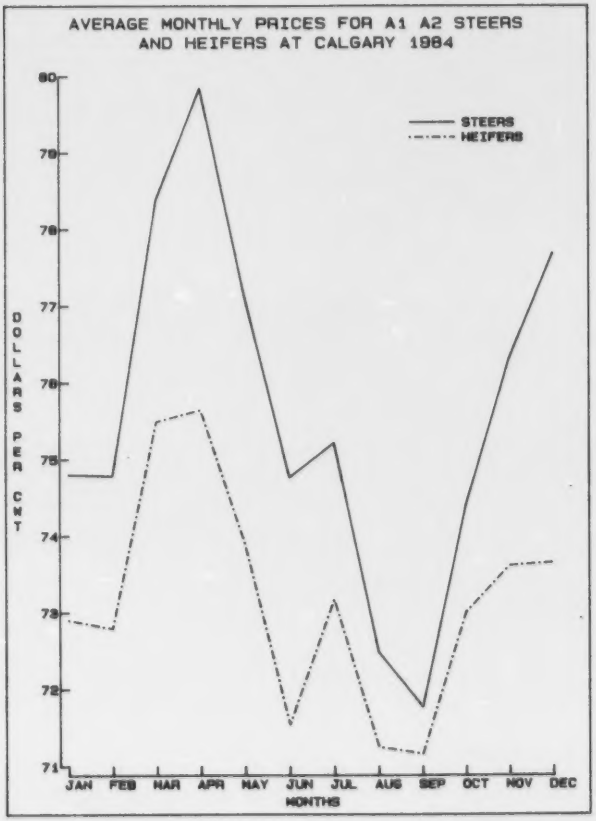

AVERAGE MONTHLY PRICES FOR A1 A2 STEERS
AND HEIFERS AT CALGARY 1984
STEERS
HEIFERS
DOLLARS PER CWT
JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC
MONTHS

Table 40
AVERAGE MONTHLY CALF PRICES, CALGARY

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
					- dollars per 100 pounds -								
					1983								
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher	-	-	-	-	-	-	-	-	-	-	-	-	-
Common all wts . . .	61.20	59.00	58.50	65.50	65.90	60.50	50.00	30.00	46.50	47.20	59.33	-	58.07
Feeders													
Good Steer Calves													
500-600 lbs	81.69	84.56	86.60	86.84	84.80	82.09	82.44	80.10	77.55	82.88	87.04	88.45	85.28
400-500 lbs	79.57	84.20	84.90	86.89	85.48	82.89	80.75	80.16	80.97	82.62	85.33	88.05	84.13
-400 lbs	77.64	83.16	81.95	83.33	85.08	83.53	83.69	86.06	81.36	82.48	83.32	87.65	83.29
Off Type -600 lbs .	74.10	76.01	75.16	78.90	75.23	74.67	75.00	74.06	73.06	74.06	76.22	78.60	75.48
Good Heifer Calves													
400-500 lbs	72.33	73.82	77.13	75.43	76.42	75.14	77.50	73.37	72.09	73.87	76.11	75.84	75.19
300-400 lbs	69.43	73.93	74.70	75.23	78.86	74.14	-	72.71	71.00	72.30	75.10	75.25	73.65
-300 lbs	69.00	73.06	-	80.00	73.50	73.33	80.68	77.50	71.20	70.15	72.00	-	74.99
Off Type -500 lbs. .	66.18	67.58	69.20	70.03	68.38	68.47	70.03	67.45	64.83	65.61	66.19	67.78	67.06
					1984								
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher	-	-	74.00	-	-	-	-	-	-	-	-	-	74.00
Common all wts . . .	-	-	-	50.00	60.00	-	-	-	-	54.00	77.50	66.00	58.69
Feeders													
Steer Calves Graded													
500-600 lbs	88.63	90.25	85.91	84.62	83.66	87.07	83.97	80.25	84.38	90.73	85.86	86.29	87.73
400-500 lbs	90.64	89.50	86.70	85.45	82.60	86.89	86.15	83.73	85.66	90.77	85.66	86.70	87.97
-400 lbs	88.23	86.62	85.02	84.25	92.45	94.00	87.08	88.89	84.74	87.83	85.04	84.77	86.38
Off Type -600 lbs. .	81.10	80.47	77.22	76.89	76.59	76.33	78.23	77.20	77.18	79.66	76.73	75.88	77.89
Heifer Calves Graded													
400-500 lbs	78.93	81.00	78.78	77.46	77.86	74.57	77.58	74.48	77.77	81.94	76.93	77.89	78.93
300-400 lbs	78.75	80.92	80.06	76.54	77.95	72.38	80.83	80.62	76.58	81.06	77.24	78.53	78.71
-300 lbs	81.25	80.00	80.50	97.00	81.20	74.00	75.00	79.20	78.52	75.31	74.75	78.75	78.13
Off Type -500 lbs .	69.39	72.66	71.79	70.15	70.83	69.82	69.03	72.85	70.29	72.10	68.27	69.64	70.20

Table 41
AVERAGE MONTHLY CALF PRICES, EDMONTON

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
	1983												
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher	-	-	-	-	71.00	-	-	-	-	-	-	-	71.00
Common all wts . . .	54.00	61.22	62.66	64.76	70.14	57.60	-	63.76	55.37	64.32	54.07	61.24	60.52
Feeders													
Good Steer Calves													
500-600 lbs	78.60	82.09	83.13	85.21	83.11	85.59	84.01	83.27	81.49	81.46	81.82	86.89	82.70
400-500 lbs	80.00	85.19	84.41	87.46	86.23	87.33	84.71	84.79	83.34	84.03	83.14	88.58	84.50
-400 lbs	82.16	85.59	86.70	88.02	87.43	86.11	87.51	87.46	85.31	85.25	86.22	90.23	86.33
Off Type -600 lbs. .	61.24	68.79	68.83	70.14	69.58	67.81	70.83	68.07	65.75	69.17	64.53	74.77	68.03
Good Heifer Calves													
400-500 lbs	71.06	73.83	74.98	76.00	76.90	77.51	73.56	74.80	75.02	74.26	75.77	78.76	75.35
300-400 lbs	69.79	74.66	75.19	76.77	77.70	78.89	74.56	76.42	74.88	75.54	77.28	77.65	76.00
-300 lbs	68.25	76.52	76.26	78.83	82.48	82.13	81.32	77.75	74.76	72.00	75.23	76.43	76.11
Off Type -500 lbs. .	53.18	61.70	61.82	62.45	61.53	60.82	57.02	62.00	55.37	58.02	59.48	65.83	59.49
	1984												
Slaughter													
Good Veal	-	-	-	-	-	-	-	-	-	-	-	-	-
Good Butcher	-	-	-	-	-	-	-	-	-	-	-	-	-
Common all wts . . .	63.23	57.93	63.79	63.25	64.57	57.88	58.57	60.00	63.83	58.92	58.42	61.10	60.57
Feeders													
Steer Calves Graded													
500-600 lbs	87.69	87.10	84.24	83.87	83.53	85.11	83.54	82.25	81.59	84.82	83.49	84.73	84.62
400-500 lbs	90.62	90.11	89.41	86.95	86.32	86.24	84.47	85.81	83.73	86.42	84.85	86.97	86.64
-400 lbs	92.49	92.70	91.80	89.80	86.45	86.95	89.36	89.00	86.09	88.48	86.49	88.48	88.29
Off Type -600 lbs .	76.29	74.76	72.17	74.61	71.84	73.31	72.39	65.38	66.74	74.26	69.92	72.05	71.86
Heifer Calves Graded													
400-500 lbs	79.85	81.32	78.51	76.26	74.52	76.58	73.90	74.94	75.35	78.57	75.99	75.99	77.39
300-400 lbs	81.08	81.25	78.65	76.03	76.36	78.33	76.18	73.88	76.61	79.34	76.68	76.08	78.06
-300 lbs	82.18	82.32	80.85	83.27	79.47	81.25	75.44	60.75	76.12	77.61	76.98	76.96	77.90
Off Type -500 lbs. .	69.17	64.57	61.05	64.66	66.30	64.30	61.67	45.56	62.52	61.92	60.26	56.65	61.47

Table 42
BRAND INSPECTION RECORD OF LIVE CATTLE AND CALF SHIPMENTS OUT-OF-PROVINCE

		Bulls	Cows	Heifers	Steers	Calves	Yearlings	All Classes
				- number -				
British Columbia	1983	4,104	6,011	5,815	1,854	1,244	104	19,132
	1984	4,485	7,617	9,942	4,200	1,157	729	28,130
Saskatchewan	1983	2,949	14,351	6,547	12,114	2,075	152	38,188
	1984	4,413	21,159	6,744	14,485	1,685	392	48,878
Manitoba	1983	172	515	303	846	95	85	2,016
	1984	640	1,177	3,145	3,773	1,277	50	10,062
Ontario	1983	914	5,900	43,053	64,134	48,123	7,092	169,216
	1984	2,287	5,519	38,383	68,372	49,160	4,392	168,113
Quebec	1983	-	138	380	5,321	3,552	86	9,477
	1984	33	50	1,296	5,361	2,937	120	9,797
Maritimes	1983	-	-	-	-	-	-	-
	1984	5	39	1	-	-	-	45
U.S.A.	1983	9,205	6,738	25,600	19,756	404	66	61,769
	1984	7,676	11,016	35,565	50,668	271	2	105,198
Other	1983	345	-	979	-	400	3,727	5,451
	1984	367	3	743	18	29	400	1,560
All Destinations	1983	17,689	33,653	82,677	104,025	55,893	11,312	305,249
	1984	19,906	46,580	95,819	146,877	56,516	6,085	371,783

Table 43
HOG MARKETINGS

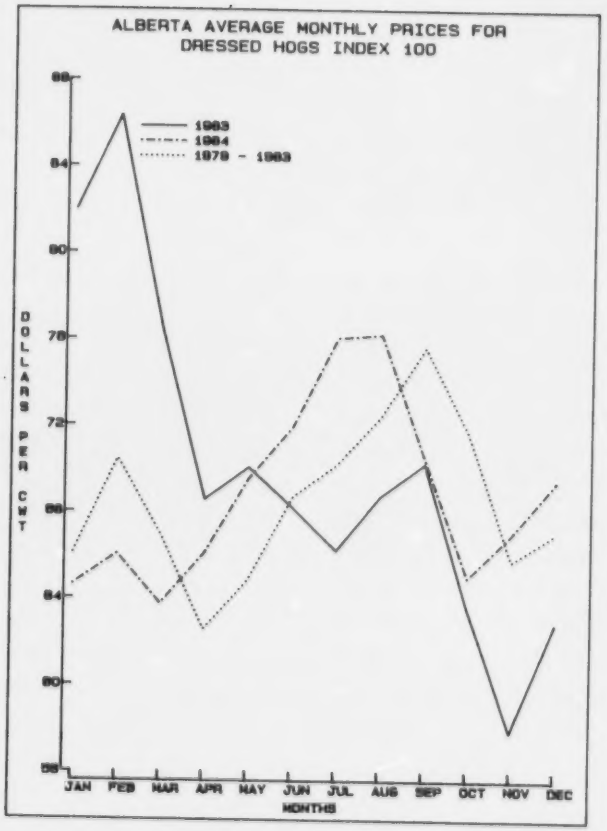
Month	114 & 113	112 & 110	108	107	105	103	102	100	98 & 97	95 93 & 92	90, 88 87 & 85
					- number -						
Jan	1,028	7,193	10,135	15,522	20,565	21,690	19,258	14,981	13,953	3,604	2,972
Feb	1,100	8,080	10,975	16,666	21,037	21,730	18,521	13,788	12,351	3,081	2,460
Mar	2,112	11,817	14,460	19,907	24,148	24,200	20,606	15,743	14,622	4,123	3,991
Apr	1,682	9,224	11,248	15,691	19,502	19,309	16,005	12,867	11,630	3,333	3,216
May	2,206	11,021	12,458	16,997	19,693	18,150	15,007	11,561	10,132	2,832	3,158
Jun	2,042	11,216	19,767	26,703	19,900	20,882	15,675	12,093	10,979	3,266	3,451
Jul	1,694	8,780	10,827	14,942	17,525	16,978	14,488	11,056	10,289	3,023	2,335
Aug	1,398	8,021	10,019	14,632	18,761	19,393	16,700	13,296	12,839	3,995	2,717
Sep	2,430	13,591	15,841	21,964	25,972	25,156	20,909	15,570	13,952	3,867	4,229
Oct	1,985	9,767	11,893	16,744	20,248	19,464	16,187	12,416	10,540	3,031	3,525
Nov	1,567	9,417	11,584	16,890	19,883	20,353	16,343	12,306	10,316	2,691	3,279
Dec	1,884	10,756	12,867	19,247	23,157	22,221	18,077	13,731	11,589	2,835	3,363
1984	21,128	118,883	152,074	215,905	250,391	249,526	207,776	159,408	143,192	39,681	38,696
1983	11,666	81,520	114,662	173,825	232,749	247,399	222,129	170,967	168,147	47,058	31,368
1982	11,616	74,288	100,778	157,607	225,330	237,894	218,324	174,874	157,535	46,094	32,625

Month	83, 82 80	Lights	Ridg-lings	Stags	Sows	Total Graded	Total Ungraded	Total	Export*
				- number -					
Jan	2,318	1,164	581	136	2,784	137,884	868	138,752	-
Feb	2,002	1,077	602	143	2,648	136,261	761	137,022	-
Mar	2,757	995	155	194	3,166	162,996	1,039	164,035	31,210
Apr	2,256	773	12	134	2,261	129,143	942	130,085	-
May	2,392	574	11	143	2,340	128,675	749	129,424	-
Jun	2,818	946	9	181	3,424	153,352	1,137	154,489	71,496
Jul	1,800	970	13	122	2,752	117,594	956	118,550	-
Aug	1,970	987	46	179	2,949	127,902	776	128,678	-
Sep	2,949	1,289	31	222	3,733	171,705	1,260	172,965	71,970
Oct	2,767	889	16	135	3,130	132,737	1,102	133,839	-
Nov	2,433	1,221	20	166	4,168	132,637	1,538	134,175	-
Dec	2,399	1,553	14	160	3,765	147,618	1,642	149,260	102,288
1984	28,861	12,438	1,510	1,915	37,120	1,678,504	12,770	1,691,274	276,964
1983	25,157	14,590	6,950	2,269	33,944	1,584,400	10,820	1,595,220	62,154
1982	28,271	13,520	5,369	2,343	32,241	1,518,709	8,833	1,527,542	3,295

* Unrevised quarterly totals. "Total" column does not include Exports.

Table 44
AVERAGE MONTHLY HOG PRICES, ALBERTA

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
1983													
Index 100 Dressed	81.97	86.33	76.37	68.57	70.06	68.21	66.23	68.74	70.25	63.57	57.86	62.84	69.80
Sows Dressed	61.39	64.26	61.41	58.60	55.60	52.68	45.49	43.60	44.51	43.91	38.43	38.68	49.35
Sows Live	-	-	47.00	45.99	43.77	41.56	35.42	33.93	34.82	34.46	30.37	30.50	35.79
Boars Live	32.71	33.79	34.08	33.01	32.00	31.12	26.09	25.45	24.92	25.79	22.39	22.46	28.01
Feeders:													
30-40 lbs	41.58	54.13	39.60	39.10	41.61	40.58	26.10	26.27	26.04	17.96	21.79	24.58	30.37
40-50 lbs	54.96	62.60	56.31	52.51	48.36	51.10	40.05	36.76	35.84	28.45	29.32	34.06	43.20
50-75 lbs	70.67	72.61	61.68	56.62	60.38	61.11	49.23	46.09	45.54	33.78	32.35	36.62	50.71
75-100 lbs	85.05	84.69	77.22	69.41	60.00	64.03	62.58	56.58	62.35	45.27	40.85	45.41	61.33
100 lbs +	77.20	74.11	70.95	65.45	56.21	57.30	51.21	52.81	55.76	49.99	48.08	50.82	57.69
1984													
Index 100 Dressed	64.63	66.04	63.74	66.07	69.52	71.96	76.06	76.22	70.51	65.01	67.01	69.44	68.86
Sows Dressed	39.71	45.51	45.41	46.26	51.94	53.76	54.88	52.78	52.10	49.00	49.34	50.16	49.51
Sows Live	31.16	36.14	35.23	36.53	40.54	41.90	43.18	41.81	41.11	38.30	37.01	39.51	39.06
Boars Live	21.82	24.38	24.77	25.27	31.46	35.72	37.64	31.97	31.59	28.75	28.48	27.74	29.38
Feeders:													
30-40 lbs	25.38	27.59	25.64	31.65	31.22	26.13	28.15	28.63	22.28	18.59	19.27	26.07	26.53
40-50 lbs	31.68	38.23	35.05	38.04	39.81	36.17	35.19	33.45	32.35	25.74	28.87	30.93	34.22
50-75 lbs	37.66	42.88	40.61	47.26	49.70	45.09	44.44	38.93	39.07	36.63	36.11	40.90	41.26
75-100 lbs	51.25	48.40	50.53	52.86	57.82	52.37	54.33	55.53	50.32	47.84	46.93	51.82	50.34
100 lbs +	53.05	51.00	50.31	53.10	57.37	54.49	51.57	53.79	46.66	52.76	58.58	66.56	54.78


ALBERTA AVERAGE MONTHLY PRICES FOR
DRESSED HOGS INDEX 100
1983
1984
1979 - 1983
DOLLARS PER CWT
88
84
80
76
72
68
64
60
56
JAN
FEB
MAR
APR
MAY
JUN
JUL
AUG
SEP
OCT
NOV
DEC
MONTHS

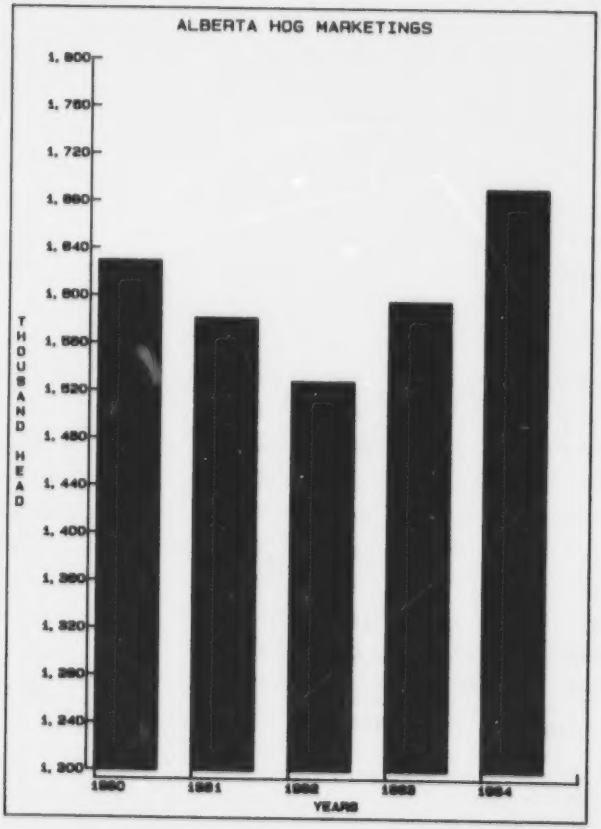

ALBERTA HOG MARKETINGS
THOUSAND HEAD
1,800
1,760
1,720
1,680
1,640
1,600
1,560
1,520
1,480
1,440
1,400
1,360
1,320
1,280
1,240
1,200
1980
1981
1982
1983
1984
YEARS

Table 45
HOGS ON FARMS, JULY 1

Census Division	Breeding Stock 6 Months & Over		All Other Pigs		Total Pigs		
	1983[r]	1984[r]	1983[r]	1984[r]	1983[r]	1984[r]	1984 as % 1983
	- thousands -						%
1	3.5	3.5	25.8	30.6	29.3	34.1	116.4
2	18.5	19.8	127.5	141.7	146.0	161.5	110.6
3	8.1	9.6	63.6	80.0	71.7	89.6	125.0
4	2.4	2.4	17.4	16.6	19.8	19.0	96.0
5	12.9	14.7	98.4	126.0	111.3	140.7	126.4
6	6.6	7.4	54.5	70.0	61.1	77.4	126.7
7	7.6	8.2	61.6	59.4	69.2	67.6	97.7
8	22.8	28.1	175.8	217.9	198.6	246.0	123.9
9	-	-	-	-	-	-	-
10	17.0	18.6	125.4	137.1	142.4	155.7	109.3
11	14.8	13.8	121.0	139.1	135.8	152.9	112.6
12	7.1	8.8	75.9	88.5	83.0	97.3	117.2
13	13.1	14.2	118.1	132.8	131.2	147.0	112.0
14	0.3	0.2	2.6	4.0	2.9	4.2	144.8
15	5.3	6.7	42.4	50.3	47.7	57.0	119.5
Province	140.0	156.0	1,110.0	1,294.0	1,250.0	1,450.0	116.0

[r] revised

Table 46
SHEEP AND LAMBS ON FARMS, JULY 1

Census Division	One Year & Older		Under One Year		Total Sheep		
	1983	1984	1983	1984	1983	1984	1984 as % 1983
	- thousands -						%
1	1.9	1.9	1.8	1.6	3.7	3.5	94.6
2	14.9	14.8	14.5	18.0	29.4	32.8	111.6
3	22.4	21.2	23.3	20.2	45.7	41.4	90.6
4	0.7	0.6	0.4	0.4	1.1	1.0	90.9
5	3.4	3.2	3.1	2.9	6.5	6.1	93.8
6	10.1	9.5	10.4	9.3	20.5	18.8	91.7
7	1.5	1.5	1.4	1.4	2.9	2.9	100.0
8	12.0	11.7	9.4	9.3	21.4	21.0	98.1
9	0.1	0.1	0.1	0.1	0.2	0.2	100.0
10	6.4	6.5	5.8	5.9	12.2	12.4	101.6
11	7.9	7.3	6.6	5.7	14.5	13.0	89.7
12	2.4	2.0	1.8	1.6	4.2	3.6	85.7
13	8.7	8.4	7.5	7.0	16.2	15.4	95.1
14	1.8	1.8	1.5	1.4	3.3	3.2	97.0
15	7.8	7.5	7.4	7.2	15.2	14.7	96.7
Province	102.0	98.0	95.0	92.0	197.0	190.0	96.4

Table 47
AVERAGE MONTHLY SHEEP AND LAMB PRICES, EDMONTON

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- dollars per 100 pounds -												
1983													
Lambs													
A & B 80 lbs+ . . .	65.73	70.00	69.08	72.77	73.00	60.00	52.94	51.20	54.45	58.32	59.76	64.14	59.28
C 50 lbs+	55.44	61.14	-	62.73	65.00	55.25	50.43	44.83	49.88	53.03	54.63	57.83	52.90
Feeders all wts . .	71.41	75.25	72.50	62.68	54.44	58.31	54.46	51.85	56.59	60.74	67.32	65.14	60.24
Sheep													
D1,2	38.71	43.68	33.23	32.08	-	20.27	27.82	25.39	30.13	26.93	28.42	33.49	28.96
D3,4	14.69	-	-	18.05	14.80	-	18.00	18.96	17.32	16.57	15.02	-	16.29
1984													
Lambs													
A & B 80-100 lbs .	66.84	66.81	67.58	67.73	77.65	71.51	67.72	-	71.82	72.42	71.61	72.93	70.30
A & B -80 lbs . . .	65.00	-	-	-	-	-	-	-	-	-	71.42	-	71.02
C 50 lbs+	62.04	59.85	53.18	42.50	39.96	63.14	40.00	-	66.90	65.29	60.86	69.60	61.33
Feeders all wts . .	72.00	70.85	50.00	-	50.00	68.54	66.00	-	73.07	75.72	70.37	70.66	70.41
Sheep													
D1,2	46.48	44.89	35.27	33.00	30.64	28.47	-	-	33.06	27.27	35.08	30.00	32.63

Table 48
SHEEP AND LAMB MARKETINGS

Month	Lambs						Sheep		Total	Delivered to		Direct Export
	A & B 80+	A & B -80	New Crop	C 50+	C -50	Feeders	D1,2	D3,4		Yards	Plants	
						- number -						
Jan	6,226	634	-	31	7	-	90	64	7,052	-	7,052	-
Feb	4,583	931	-	41	34	-	123	42	5,754	-	5,754	-
Mar	5,749	397	-	89	18	-	129	86	6,468	-	6,468	410
Apr	3,591	757	-	233	372	-	145	77	5,175	-	5,175	-
May	3,926	194	-	45	-	-	185	146	4,496	-	4,496	-
Jun	8,412	156	-	73	2	-	424	287	9,354	217	9,137	0
Jul	5,305	501	-	20	2	-	286	58	6,172	-	6,172	-
Aug	7,002	687	-	39	10	-	335	117	8,190	-	8,190	-
Sep	8,743	726	-	173	10	-	504	124	10,280	-	10,280	4,784
Oct	5,542	128	-	73	-	-	441	185	6,369	-	6,369	-
Nov	7,448	130	-	242	-	-	401	248	8,469	-	8,469	-
Dec	6,201	730	-	6	67	-	286	110	7,400	-	7,400	500
1984	72,728	5,971	-	1,065	522	-	3,349	1,544	85,179	217	84,962	5,694
1983	58,866	8,160	-	751	470	2	5,134	1,661	75,044	1,553	73,491	835
1982	57,456	6,917	7	1,966	956	5,913	4,889	3,587	81,691	15,964	65,727	3,631

Note: "Total" column does not include exports.

Table 49
LIVESTOCK ON FARMS, JULY 1*

Year	Milk Cows & Dairy Heifers	Beef Cows & Beef Heifers	Calves	All Cattle	Hogs	Sheep and Lambs
			- thousand head -			
1965	324.0	1,531.0	1,076.0	3,473.0	1,169.0	355.0
1966	294.1	1,480.5	1,079.6	3,439.7	1,092.7	301.4
1967	272.0	1,518.0	1,035.0	3,393.0	1,262.0	260.0
1968	252.0	1,479.0	1,018.0	3,341.0	1,266.0	210.0
1969	232.0	1,478.0	989.0	3,286.0	1,187.0	180.0
1970	233.0	1,600.0	1,070.0	3,493.0	1,532.0	199.0
1971	223.6	1,721.3	1,157.3	3,702.1	1,739.1	244.9
1972	210.0	1,864.0	1,225.0	3,924.0	1,490.0	256.0
1973	205.0	2,031.0	1,319.0	4,201.0	1,499.0	241.0
1974	200.0	2,219.0	1,434.0	4,595.0	1,322.0	230.0
1975	193.0	2,242.0	1,458.0	4,689.0	873.0	209.0
1976	214.0	2,168.0	1,435.0	4,675.0	879.9	183.0
1977	210.0	2,078.0	1,315.0	4,350.0	944.3	146.5
1978	209.0	1,960.0	1,239.0	4,135.0	960.0	142.5
1979	215.0	1,925.0	1,205.0	4,080.0	1,130.0	153.5
1980	224.0	1,951.0	1,290.0	4,155.0	1,251.0	178.0
1981	220.5	1,936.0	1,300.0	4,153.0	1,185.0	198.0
1982	214.0	1,901.0	1,230.0	4,021.0	1,150.0	205.0
1983	207.0	1,830.0	1,170.0	3,845.0	1,250.0	197.0
1984	206.0	1,801.0	1,140.0	3,780.0	1,450.0	190.0

* Prior to 1975, estimates of livestock numbers based on June 1 survey.

Table 50
PER CAPITA CONSUMPTION OF MEATS IN CANADA

Year	Beef	Veal	Mutton & Lamb	Pork	Offals	Canned Meats	Poultry
				- kilograms -			
1965	37.9	3.8	1.3	21.7	1.6	2.4	16.6
1966	38.1	3.1	1.8	21.3	1.6	2.5	17.8
1967	37.7	3.2	1.9	24.7	1.8	2.8	18.5
1968	38.6	3.1	2.2	24.3	1.7	3.0	18.1
1969	38.8	2.3	2.3	23.3	1.7	3.4	20.0
1970	38.3	2.1	2.1	26.7	1.5	3.6	20.5
1971	40.2	2.0	1.5	29.5	2.0	*	19.7
1972	42.8	1.7	2.1	28.6	1.9	*	20.2
1973	42.0	1.5	1.6	26.9	1.8	*	20.9
1974	43.7	1.6	1.1	28.2	1.7	*	20.3
1975	48.5	2.4	1.3	24.1	1.7	*	19.0
1976	51.4	2.4	1.0	25.1	1.7	*	20.0
1977	48.8	2.3	0.8	25.1	1.6	*	20.7[1]
1978	45.7	1.8	0.9	26.0	1.9	*	21.3[1]
1979	39.9	1.4	1.1	29.0	1.4	*	22.8[1]
1980	39.5	1.4	0.8	31.3	1.9	*	22.8[1]
1981	40.7	1.6	0.7	30.1	1.4	*	22.6[1]
1982	40.4	1.7	0.7	27.8	1.3	*	22.7[1]
1983	40.0	1.7	0.8	28.6	1.4	*	22.9[1]
1984	38.3	1.8	0.9	27.9	1.5	*	23.6[1]

* Due to changes in source data, comparable information is not available.

[1] Does not include goose and duck.

DAIRY

There were an estimated 157,000 cows on farms in Alberta at Jauuary 1, 1985. Prior to July 1, 1979 the definition of a cow was any animal being kept for milk purposes over 24 months of age. This has been changed to all animals which have calved at least once.

Milk production during 1984-85 amounted to 584 166 000 litres, an increase of 3.6 per cent over the previous year. The estimated farm value of milk production was 256.6 million dollars.

Creamery butter production totalled 8.1 million kilograms and cheddar cheese 5.7 million kilograms. Fluid milk sales decreased to 221.2 million litres from 227.8 million litres.

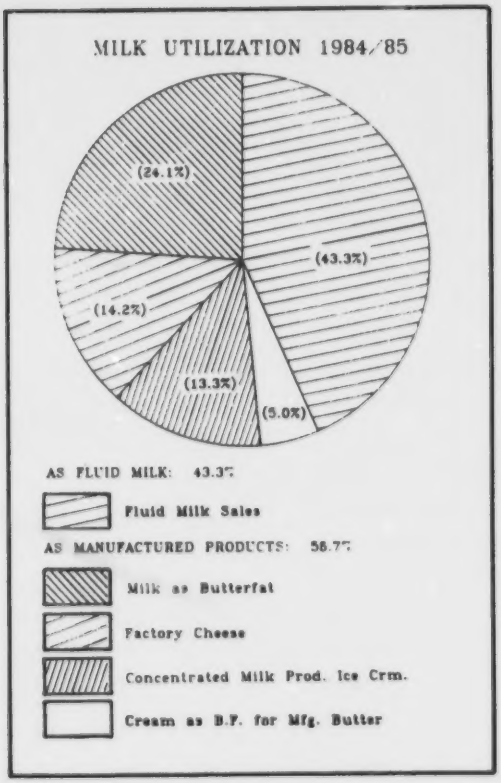


Table 51
DAIRY PRODUCER REGISTRATIONS

	Type of Producer			
	Fluid	Industrial	Cream	Total
1984	1,398	275	1,564	3,237
1985	1,370	252	1,285	2,907

Estimates at April 30th for 1984 and 1985

Table 52
FARM VALUE OF MILK PRODUCTION

	Year*	Production	Milk Equivalent	Total Milk	Price	Value
		'000 kg	'000 litres	%	$	$'000
Butterfat for Creamery Butter	1983-84	1 193	33 130	5.9	4.101/kg	4,892
	1984-85	1 060	29 433	5.0	4.150/kg	4,399
Milk Purchased for the Manufacture of Powder and Butter 1/	1983-84	4 626	128 381	22.8	35.71/hl	45,845
	1984-85	5 068	140 617	24.1	37.57/hl	52,830
Milk for Cheesemaking	1983-84		64 093	11.4	35.71/hl	22,888
	1984-85		83 029	14.2	37.57/hl	31,194
Milk for Concentrating and Milk and Butterfat for Ice Cream and Miscellaneous Products 2/	1983-84		51 099	9.1	37.51/hl	19,167
	1984-85		51 889	8.9	39.37/hl	20,429
Milk Purchased for Fluid Purposes	1983-84		257 541	45.7	46.74/hl	120,375
	1984-85		252 708	43.3	48.94/hl	123,675
Kept on Farms, Skimmilk for Creamery Butter	1983-84	1 075	29 817	5.3	16.17/100 kg	4,821
	1984-85	955	26 490	4.5	17.13/100 kg	4,538
Estimated Federal Subsidy	1983-84					18,354
	1984-85					19,570
Total	1983-84		564 061			236,342
	1984-85		584 166			256,635

* April - March

1 Includes milk used for the making of cottage cheese.

2 Does not include butterfat from creamery butter used in the manufacture of ice cream.

Table 53
PRODUCTION AND VALUE OF FACTORY DAIRY PRODUCTS

	Year*	Quantity	Price	Value
		'000	$	$'000
Creamery Butter (kilograms)	1983-84	7 800	5.130/kg	40,014
	1984-85	8 161	5.225/kg	42,641
Cheddar Cheese (kilograms)	1983-84	4 160	6.367/kg	26,487
	1984-85	5 768	6.630/kg	38,242
Cheese other than Cheddar (kilograms)	1983-84	3 533	5.080/kg	17,948
	1984-85	3 787	5.540/kg	20,980
Ice Cream[1] (litres)	1983-84	30 892	1.570/litre	48,500
	1984-85	31 457	1.700/litre	53,477
Fluid Milk Sales (litres)	1983-84	227 777	0.800/litre	182,222
	1984-85	221 247	0.840/litre	185,847
Fluid Cream Sales (litres)	1983-84	8 767	1.580/litre	13,852
	1984-85	8 963	1.670/litre	14,968
Fluid Skimmilk, Buttermilk and Chocolate Drink Sales (litres)	1983-84	24 871	0.870/litre	21,638
	1984-85	26 588	0.910/litre	24,195
Skim and Buttermilk Powder in Factories (kilograms)	1983-84	5 224	2.800/kg	14,627
	1984-85	5 491	2.880/kg	15,814
Whey in Factories (kilograms)	1983-84	7 571	nil	nil
	1984-85	9 403	nil	nil
Miscellaneous Manufactured Products[2]	1983-84			143,942
	1984-85			152,858
Total	1983-84			509,230
	1984-85			549,022

* April - March

[1] Includes hard and soft ice cream.

[2] Includes concentrated milk products, cottage cheese, whey cheese and yoghurt.

Table 54
MILK AND CREAM PRODUCTION IN KG OF BUTTERFAT

	Fluid Milk[1]		Industrial Milk		Industrial Cream		Total	
	1982-83	1983-84	1982-83	1983-84	1982-83	1983-84	1982-83	1983-84
				- kilograms -				
August	1 595 294	1 523 730	152 140	134 821	171 263	143 810	1 918 697	1 802 361
September	1 476 255	1 411 266	138 199	124 178	148 709	123 120	1 763 163	1 658 564
October	1 461 750	1 413 027	128 919	120 942	120 396	94 541	1 711 065	1 628 510
November	1 383 464	1 375 304	119 009	114 255	98 074	76 221	1 600 547	1 565 780
December	1 460 495	1 457 810	123 728	119 047	82 639	69 936	1 666 862	1 646 793
January	1 502 062	1 493 130	127 183	119 631	78 788	69 555	1 708 033	1 682 316
February	1 369 900	1 428 652	114 752	115 551	72 686	64 424	1 557 338	1 608 627
March	1 525 047	1 557 130	126 220	129 207	92 971	81 452	1 744 238	1 767 789
April	1 487 184	1 544 935	124 757	130 995	97 636	87 872	1 709 577	1 763 802
May	1 569 821	1 638 273	133 085	142 412	121 131	109 234	1 824 037	1 889 919
June	1 546 172	1 627 651	132 403	147 571	135 286	120 530	1 813 861	1 895 752
July	1 515 490	1 663 211	127 736	148 750	115 907	123 875	1 759 133	1 935 836
Total	17 892 934	18 134 119	1 548 131	1 547 360	1 335 486	1 164 570	20 776 551	20 846 049

[1] All Fluid milk is not used for fluid milk sales.

POULTRY AND EGGS

Alberta's poultry meat production in 1984 was almost 8 per cent more than production in 1983. Fowl and chicken meat production rose by 6 per cent while turkey meat production increased by over 20 per cent, to 47 088 and 9 018 tonnes, respectively. Producers consumed slightly more than 2 per cent of total production, or 980 tonnes.

Prices received by producers for Grade A eggs fluctuated during the year but were generally at peak levels between August and November. Grade B eggs were steady at 60 cents per dozen while Grade C eggs rose from 30 to 40 cents per dozen early in the year and then dropped again to 30 cents in the latter half of the year.

Average monthly layer numbers declined by over 3 per cent in 1984 to 2,277. Egg production declined at a similar rate, to 43,423,000 dozens. The number of hatcheries remained at 15, comprising one breeder hatchery and 14 commercial hatcheries with a combined capacity of 6,225,870. In 1983, all 15 hatcheries in the province were commercial and had a total capacity of 6,587,144.

Production of broiler type chicks was 34,498,000 compared to 32,661,000 in 1983. The number of female chicks hatched for egg production increased by about 16 per cent from 1983 to 2,287,000. Turkey poult production was down almost 10 per cent to 1,243,654.

Table 55
EGG PRICES TO PRODUCERS

	Grade AL	Grade AM	Grade AS	Grade B	Grade C
	- cents per dozen -				
	1983				
January	93	87	48	55	32
February	94	84	49	55	32
March	95	84	50	55	28
April	96	84	51	55	28
May	97	89	52	55	28
June	98	88	50	55	28
July	99	84	51	55	28
August	101	84	51	55	28
September	102	85	52	55	28
October	104	90	57	55	28
November	106	89	56	60	33
December	108	91	58	60	33
	1984				
January	108	91	58	60	30
February	107	90	57	60	33
March	108	94	58	60	40
April	107	96	57	60	40
May	104	95	54	60	40
June	105	94	55	60	40
July	105	94	55	60	30
August	109	98	59	60	30
September	108	97	58	60	30
October	108	97	58	60	30
November	109	98	59	60	30
December	105	94	55	60	30

Table 56
AVERAGE MONTHLY PRICES TO PRODUCERS OF LIVE CHICKENS AND TURKEYS, EDMONTON

	Jan.	Feb.	Mar.	Apr.	May.	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Year
	- cents per kilogram -												
	1983												
Chickens:													
Broiler under 2.3 kg	101.5	101.5	103.5	105.1	106.5	108.0	109.5	111.5	113.5	115.5	117.5	118.5	109.5
Roaster 2.8 - 3.2 kg	116.0	116.0	118.0	119.6	121.0	122.5	124.0	126.0	128.0	130.0	132.0	133.0	124.2
Turkeys:													
5.4 kg and under	146.2	145.0	142.0	140.0	140.0	140.0	140.0	136.0	138.2	143.2	149.5	151.0	142.8
5.4 kg+ to 9.0 kg	145.8	145.0	140.0	138.0	138.0	138.7	140.0	136.0	138.2	141.8	147.0	149.0	141.6
9.0 kg and over	143.8	143.0	143.0	143.0	143.0	143.0	141.8	138.0	140.2	144.4	148.5	151.0	143.7
	1984												
Chickens:													
Broiler under 2.3 kg	119.6	120.5	122.0	122.0	122.0	122.0	122.0	123.5	124.0	124.0	122.5	119.2	121.9
Roaster 2.8 - 3.2 kg	134.1	135.0	136.5	136.5	136.5	136.5	136.5	138.0	138.5	138.5	137.0	133.7	136.4
Turkeys:													
5.4 kg and under	151.0	151.0	153.0	153.0	153.0	153.0	153.8	154.0	154.0	157.0	157.0	157.0	153.9
5.5 kg+ to 9.0 kg	149.0	149.0	149.0	149.0	149.0	149.0	154.2	156.0	156.0	158.0	158.0	158.0	152.9
9.0 kg and over	151.0	151.0	151.0	151.0	151.0	151.0	151.8	152.0	152.0	153.0	154.0	155.0	152.0

Table 57
HATCHERY CAPACITIES

	Breeder Hatcheries	Commercial Hatcheries	Total Hatchery Capacity
		- number -	
1979	1	17	5,257,784
1980	1	15	5,781,812
1981	0	16	6,250,004
1982	0	16	6,250,004
1983	0	15	6,587,144
1984	1	14	6,225,870

Table 58
CHICK PRODUCTION

For Egg Production Type*			For Broiler Production Type		
1983	1984	Change	1983	1984	Change
- number -		%	- number -		%
1,977,000	2,287,000	+15.7	32,661,000	34,498,000	+5.6

* Female chicks only

Table 59
CHICK DISPOSITION

	Hatch-ability	Hatched[1]	Not Sold[2]	Exported	Imported	Remaining In Province	Other[3]
				- number -			
1979	74.4	36,178,404	1,748,817	800,055	560,597	35,045,154	855,025
1980	73.5	35,574,026	1,886,604	1,543,142	481,195	33,353,517	728,042
1981	75.8	39,581,372	2,102,561	1,839,112	446,036	36,883,584	797,849
1982	77.4	40,085,522	2,254,319	1,421,022	516,585	37,339,266	412,500
1983	75.8	37,282,000	2,070,071	619,598	455,681	35,048,012	520,524
1984	77.2	39,954,421	2,231,314	772,414	389,000	37,859,628	519,935

1 Includes both Leghorn and broiler chicks.
2 The high number of chicks not sold is a result of Leghorn cockerels that are destroyed.
3 Birds brought in from other provinces (not included in "Imports"). Includes started pullets

Table 60
TURKEY POULT PRODUCTION

	Eggs Set	Eggs Imported	Hatched	Hatch-ability	Imported	Exported	Poults On Farms	Other*
		- number -		%		- number -		
1979	2,939,327	393,642	1,871,335	63.7	10,682	405,129	1,804,081	327,193
1980	2,934,130	550,310	1,835,304	62.6	-	272,510	1,783,741	220,947
1981	2,244,185	614,151	1,444,563	64.4	-	223,230	1,514,267	292,934
1982	2,009,805	746,628	1,330,143	66.2	43,550	134,692	1,549,001	310,000
1983	2,066,000	976,600	1,377,871	66.7	64,654	135,107	1,598,000	290,582
1984	1,780,579	558,400	1,243,654	69.8	111,177	154,674	1,691,309	491,152

* Poults brought in from other provinces (not included in "Imports").

Table 61
POULTRY EVISCERATED IN REGISTERED STATIONS

	Chickens		Fowl	Ducks	Geese	Turkeys			
	Under 2 kg	Over 2 kg				Under 5 kg	5-8 kg	Over 8 kg	Total
					- '000 kg -				
1979	29 525	1 624	1 610	0.9	13.6	1 816	3 374	3 621	8 812
1980	29 215	1 356	1 809	1.8	9.1	2 153	3 122	4 153	9 428
1981	32 244	1 700	1 863	2.3	5.9	2 099	2 757	1 888	8 453
1982	34 409	2 501	2 059	-	6.0	1 914	3 487	3 203	8 724*
1983	33 317	2 003	1 836	0.4	7.1	1 784	3 605	3 1F"	8 671
1984	49 761	2 947	2 531	7.0	8.0	2 467	4 699	4 418	11 748**

* Includes mature turkey (120 000 kgs)
** Includes mature turkey (164 000 kgs)

Table 62
PRODUCTION, DISPOSITION AND VALUE OF EGGS

1983

	Production		Disposition					
			Sold[1]					
	Average Number of Layers	Production[1]	For Consumption	Value	For Hatching	Value	Producer use for Consumption	Value
	'000	'000 doz.	'000 doz.	$'000	'000 doz.	$'000	'000 doz.	$'000
January	2,353	3,798	3,330	2,877	288	708	180	172
February	2,390	3,587	3,084	3,692	321	790	182	176
March	2,402	3,799	3,225	2,841	382	940	192	185
April	2,413	3,620	3,010	2,682	424	1,043	186	180
May	2,411	3,936	3,392	3,026	362	891	182	177
June	2,383	3,773	3,203	2,831	382	940	188	181
July	2,364	4,001	3,572	3,172	243	598	186	179
August	2,352	3,849	3,364	3,007	307	755	178	173
September	2,325	3,706	3,260	2,983	260	640	186	182
October	2,309	3,600	3,103	2,892	310	763	187	184
November	2,315	3,536	3,073	2,901	281	691	182	181
December	2,322	3,874	3,393	3,250	298	733	183	182
Year	2,362[2]	45,079	39,009	35,154	3,858	9,492	2,212	2,152

[1] Includes exports.
[2] Weighted average of monthly estimates.

1984

	Production		Disposition					
			Sold[1]					
	Average Number of Layers	Production[1]	For Consumption	Value	For Hatching	Value	Producer use for Consumption	Value
	'000	'000 doz.	'000 doz.	$'000	'000 doz.	$'000	'000 doz.	$'000
January	2,312	3,822	3,351	3,213	295	726	176	175
February	2,311	3 534	3,040	2,988	329	809	165	169
March	2,318	3,712	3,011	3,005	524	1,289	177	182
April	2,327	3,576	2,969	2,886	431	1,060	176	176
May	2,322	3,783	3,251	3,108	358	881	174	172
June	2,257	3,625	3,028	2,895	421	1,016	176	175
July	2,212	3,707	3,209	3,164	319	785	179	182
August	2,229	3,684	3,158	3,155	347	854	179	189
September	2,242	3,509	3,040	3,001	290	713	179	193
October	2,236	3,625	3,125	3,100	321	790	179	194
November	2,257	3,334	2,841	2,773	314	772	179	187
December	2,295	3,512	3,024	2,885	311	765	177	175
Year	2,277[2]	43,423	37,047	36,173	4,260	10,480	2,116	2,169

[1] Includes exports.
[2] Weighted average of monthly estimates.

Table 63
OUTPUT AND VALUE OF POULTRY MEATS

	Total Production		Consumed by Producers		Sold	
	Tonnes	Value $'000	Tonnes	Value $'000	Tonnes	Value $'000
1983						
Fowl & Chicken	44 474	66,240	815	928	43 659	65,312
Turkey	7 483	12,601	149	251	7 334	12,350
Total	51 957	78,841	964	1,179	50 993	77,662
1984						
Fowl & Chicken	47 088	76,618	803	920	46 285	75,698
Turkey	9 018	16,494	177	324	8 841	16,170
Total	56 106	93,112	980	1,244	55 126	91,868

APICULTURE

A record honey crop was harvested in Alberta for the second successive year. Estimated honey output in 1984 was 12 542 tonnes, surpassing the previous record crop of 1983 by more than 10 per cent. Alberta's beehive population was estimated at a record 180,000, about 5 per cent above 1983. The estimated number of beekeepers was almost unchanged from 1983, dropping from 1,610 to 1,600.

Except in the South Central Region, honey yields remained relatively unchanged or were higher than 1983 yields in all regions. The decline in the South Central Region was the third in a row and, as in the preceding years, was caused by dry conditions during the honey flow. Provincially, average yield was up 5 per cent above 1983 to 70 kg.

Prices received by producers for honey decreased from an estimated $1.32 per kg to $1.07 per kg. The value of honey and wax produced in the province was estimated at $13.7 million, a decline of $1.6 million from 1983.

Table 64
BEEKEEPERS AND COLONIES

	Beekeepers	Colonies	Hives Per Apiary
		- number -	
1976	2,000	160,000	80
1977	1,800	165,000	92
1978	1,800	160,000	89
1979	1,700	150,000	88
1980	1,800	160,000	89
1981	1,700	170,000	100
1982	1,650	174,000	105
1983	1,610	172,000	107
1984	1,600	180,000	112

Table 65
HONEY PRODUCTION AND PRICE

	Yield Per Hive	Total Production	Price
	kg	tonnes	$/kg
1976	58	9 290	0.82
1977	59	9 730	0.95
1978	57	9 072	1.12
1979	68	10 251	1.26
1980	64	10 306	1.28
1981	62	10 478	1.42
1982	47	8 210	1.37
1983	66	11 391	1.32
1984	70	12 545	1.07

Table 66
HONEY AND BEESWAX VALUE

	Honey	Honey and Wax
	- dollars -	
1976	7,578,000	7,841,000
1977	9,224,000	9,712,000
1978	10,200,000	10,641,000
1979	12,882,000	13,368,000
1980	13,166,000	14,579,000
1981	14,934,000	15,339,000
1982	11,265,000	11,506,000
1983	15,029,000	15,300,000
1984	13,410,250	13,699,250

FUR FARMS

Table 67
FUR FARM LICENSES

	1982-83	1983-84
	- number -	
Mink Std. & Mut	8	8
Fox	16	22
Chinchilla	9	12
Other	3	3
Total	36	45

Table 68
ANIMALS RETAINED FOR BREEDING

	No. of Animals		Total Value	
	1982-83	1983-84	1982-83	1983-84
			- dollars -	
Mink Std. & Mut.	15,110	13,343	453,300	528,382
Chinchilla	(information not available)			
Fox	1,173	1,444	152,490	202,160
Other	4	4	1,600	1,600
Total	16,287	14,791	607,390	732,142

Table 69
ANIMALS PELTED

	Mink Pelts Produced	Mink Pelts Value
		-dollars-
1977-78	51,395	1,429,322
1978-79	51,219	2,286,928
1979-80	49,389	2,388,452
1980-81	33,270	1,164,450
1981-82	34,117	1,023,510
1982-83	37,119	1,113,570
1983-84	40,817	1,616,353

Table 70
ANIMALS EXPORTED

	No. of Animals		Total Value	
	1982-83	1983-84	1982-83	1983-84
			- dollars -	
Mink Std. & Mut.	37,119	40,817	1,113,570	1,616,353
Chinchilla	(information not available)			
Fox	710	675	92,300	94,500
Total	37,829	41,492	1,205,870	1,710,853

AGRICULTURAL EXPORTS

OUT-OF-PROVINCE SHIPMENTS

The value of out-of-province shipments of agricultural products (excluding fertilizers) from Alberta in 1984 was estimated to be $3,992 million. This compares with an estimated value of $3,509 million for 1983.

On a dollar value basis, grains and oilseeds accounted for 54 per cent of the total value of shipments in 1984 while meats, live animals and animal products made up 34 per cent of the total. These figures for 1984 compare with 58 per cent for grains and oilseeds and 32 per cent for meats, live animals and animal products for 1983.

The value of grain shipments increased by about 7 per cent over 1983 while the combined value of live animals, all meats and animal product shipments showed a significant increase of 14 per cent.

OUT-OF-COUNTRY EXPORTS

The value of Alberta's out-of-country exports of agricultural products in 1983 was estimated to be $2,080 million or 59 per cent of out-of-province shipments. In 1984, this value was estimated to be $2,291 million, or 57 per cent of out-of-province shipments. This represents a dollar value increase of $211 million over 1983 (10.1 percent), while the corresponding increase in Canadian agricultural exports was $833 million (8.2 per cent). In 1984, Alberta accounted for approximately 21 per cent of the total value of Canadian agricultural exports.

Wheat exports continue to be the largest agricultural export earner for Alberta, accounting for over 50 per cent of the total value of agricultural exports. Canola and its products accounted for more than $390 million or 17 per cent of export earnings, surpassing barley exports for the first time. The value of barley exports fell by 25 per cent from 1983, although it continues to be an important export crop, contributing an estimated $284 million to total export earnings. Reduced stocks and production rather than loss of export markets contributed to the decline in Alberta barley sales.

The value of live animal exports from Alberta (principally live cattle and hogs) increased by more than 75 per cent from $78 million in 1983 to $138 million in 1984. This sharp increase was largely due to record shipments of live hogs and cattle to the United States.

The value of meat exports (principally beef, pork and horse meat) showed a 13 per cent increase over 1983. Canola oil and meal exports increased significantly over 1983 exports climbing from $38 million to $125 million in 1984.

Alberta honey and dehydrated alfalfa continued their upward export trend, increasing by 130 and 31 per cent respectively over 1983.

Other important Alberta agricultural exports in 1984 were cattle hides, tallow, barley malt, peat moss, whisky, grass seeds and seed potatoes.

TRADING PARTNER ANALYSIS

In 1984 Alberta's eight most important export markets were the USSR, Japan, United States, People's Republic of China, Brazil, East Germany, India and the United Kingdom respectively. Together, these countries purchased an estimated 74 per cent of the value of Alberta's agricultural exports.

USSR

The value of Alberta exports to USSR recovered in 1984 after a decline in 1983. The USSR imported

more than $494 million worth of agricultural products from Alberta, consisting mainly of wheat ($472 million) and barley ($20 million). Soviet purchases of Canadian wheat in 1984 were 8.1 million tonnes, of which 2 million tonnes is estimated to have originated in Alberta. Although Canada sold more wheat to the USSR in 1984 than in 1983, barley shipments were drastically reduced from the previous year. However, the USSR is expected to continue to be the most important market for Canadian wheat.

JAPAN

Japanese imports of Alberta agricultural products totalled an estimated $461 million in 1984, an increase of approximately $50 million from the revised estimate of $411 million for 1983. Japan continues to be the largest export market for Alberta canola, importing more than 74 per cent of the Alberta total. It is also the largest market for dehydrated alfalfa and barley malt.

Approximately 3 per cent of total Canadian beef exports of 78 thousand tonnes went to Japan in 1984. Pork exports were much larger with about 17 per cent of the 170 thousand tonnes destined for Japan.

Japan remains an important market for Alberta wheat and barley, importing an estimated $147 million worth in 1984.

UNITED STATES

The estimated value of Alberta's agricultural exports to the US increased by more than 42 per cent over 1983, mainly due to record shipments of live cattle, hogs, beef and pork in 1984. Live cattle exports from Alberta increased from $56 million in 1983 to $92 million in 1984, a 63 per cent increase, while live hog exports went from $8 million to $40 million, a five fold increase. It is estimated that Alberta exported 105,000 head of cattle and 277,000 hogs to the US in 1984 while the corresponding Canadian exports were 385,000 and 1,345,000 respectively.

Alberta beef exports to the US increased in value by $2.3 million while pork shipments quadrupled in value. The US is the largest market for Canadian beef and pork, (fresh, chilled or frozen) importing more than 94 per cent of the beef and 81 per cent of pork shipments in 1984.

Other Alberta agricultural commodities that enjoyed great success in the American market in 1984 were honey, canola meal and peat moss. With the granting of GRAS (Generally Regarded As Safe) status to canola oil, the American market is expected to grow for this important Alberta product.

Continued strength in the American economy, the strong American dollar, and the possibility of freer trade between Canada and the US, could result in significant increases in Alberta agricultural exports in 1985.

PEOPLE'S REPUBLIC OF CHINA

Alberta's exports to China decreased from an estimated $222 million in 1983 to $161 million in 1984, for a 27 per cent decline. This was mainly due to decreased wheat and barley purchases by China in 1984. The Chinese purchased 3 million tonnes of wheat from Canada in 1984, of which an estimated 755 thousand tonnes originated in Alberta. China is expected to decrease its imports of grains in the coming years as it moves towards increased production and self sufficiency. This is expected to be reflected in declining Alberta agricultural exports to that country.

UNITED KINGDOM

The value of Alberta's agricultural exports to the United Kingdom is estimated to have declined from the revised total of $65 million in 1983 to $53 million in 1984 (an 18 per cent decline). Similarly

the value of Canadian exports of agricultural products to the UK fell from $437 million in 1983 to $360 million in 1984, mainly due to decreased shipments of wheat. However, shipments of canola oil from Canada to the UK approached the 10 thousand tonne mark in 1984.

OTHER EEC AND WESTERN EUROPE

Alberta export trade in 1984 with other EEC and Western European countries showed a marked decline of approximately $40 million or 20 per cent from 1983. Again, this decline is a result of reduced shipments of wheat and barley to these countries. Canola exports however, showed a significant increase, going from approximately $7 million to over $45 million. Much of this increase was accounted for by exports to the Netherlands and West Germany.

EASTERN EUROPE (excluding USSR)

The total value of Alberta agricultural exports to Eastern European countries other than the USSR is estimated to have declined from $95 million in 1983 to $81 million in 1984, a 15 per cent reduction. This was mainly due to drastically reduced shipments of wheat and barley to Poland. In 1982, Poland imported an estimated $352 million worth of wheat and barley from Canada. This was reduced to only $13 million in 1984. In contrast, East Germany continues to be an important export market for Canadian barley, importing 914 thousand tonnes in 1984 ($152 million). In fact, East Germany was the largest importer of Canadian barley in 1984.

MIDDLE EAST

Virtually all export trade between Alberta and the Middle East continues to be in wheat and barley. Iraq continues to be one of the larger markets for Canadian wheat in this region.

The total value of Alberta agricultural exports to the Middle East increased from $137 million in 1983 to $167 million in 1984, a 22 per cent increase. Egypt has re-emerged as a key market in the Middle East for Alberta wheat.

AFRICA

In 1984, total Alberta export trade with African countries was small ($71 million) compared to other regions, although it did increase from 1983 (49 per cent increase). Larger wheat exports to Algeria contributed to this upward trend. In 1984, Algeria imported 700 thousand tonnes of Canadian wheat of which approximately 172 thousand tonnes is estimated to have originated in Alberta.

ASIA-PACIFIC (excluding Japan and People's Republic of China)

Alberta's agricultural exports with countries other than Japan and the People's Republic of China in the Asia-Pacific region increased by 43 per cent over 1983 (from $114 million in 1983 to $164 million in 1984). Although wheat shipments to Bangladesh were down in 1984, significant export sales of canola oil and barley to India, Malaysia and Singapore more than made up for this decrease. Canola oil exports to India accelerated from $9 million in 1983 to an estimated $43 million in 1984, making that country the single largest market for Alberta canola oil.

In 1984, there were no significant changes in Alberta exports to Australia and New Zealand.

SOUTH AMERICA

Increased wheat and canola oil exports from Alberta in 1984 boosted total export sales to South America to an estimated $103 million from the 1983 total of $88 million. Brazil continues to make large purchases of wheat ($83 million) and is the third largest importer of Canadian wheat, after the USSR and China.

CENTRAL AMERICA AND THE CARIBBEAN

Mexico did not import any Canadian wheat in 1984, compared to an estimated $76 million worth of wheat imports in 1983. Wheat shipments to Cuba were also down in 1984 and this resulted in an overall decrease of $18 million in the value of Alberta exports to Central America. However, Mexico purchased an estimated $11 million worth of canola from Alberta in 1984. This new market for Canadian canola is expected to grow in the future.

Alberta's total value of agricultural exports to Central America and the Caribbean dropped from $85 million in 1983 to $68 million in 1984, a 20 per cent decline.

COMMODITY ANALYSIS

The five most important Alberta agricultural export commodities and commodity groups were wheat, barley, canola seed, canola oil, meal and oilcake, live animals and meat products. These five alone accounted for 90 per cent of the total value of agricultural exports in 1984.

WHEAT

The most important markets for Alberta wheat are the USSR, People's Republic of China, Brazil, Japan and the United Kingdom. The USSR is the single most important buyer, accounting for about 40 per cent of total Alberta wheat sales abroad in 1984 ($472 million). Other important markets include: People's Republic of China (13%), Brazil (7%), Japan (6%), United Kingdom (4%).

In 1984, approximately 5.2 million tonnes of wheat were exported from Alberta for a total value of almost $1.2 billion.

BARLEY

The largest single importer of Alberta barley in 1984 was East Germany. Sales to that country amounted to approximately 408 thousand tonnes, for an estimated value of $68 milion (24 per cent of the total value of barley exports). Other major barley markets include Japan (19 per cent of the total value), Iraq (7 per cent), USSR (7 per cent) and Israel (6 per cent).

CANOLA

Japan is by far the largest importer of Alberta canola. In 1984 canola sales to Japan totalled $198 million (463 thousand tonnes). Following Japan in importance was the Netherlands (87 thousand tonnes), Mexico (26 thousand tonnes) and France (15 thousand tonnes).

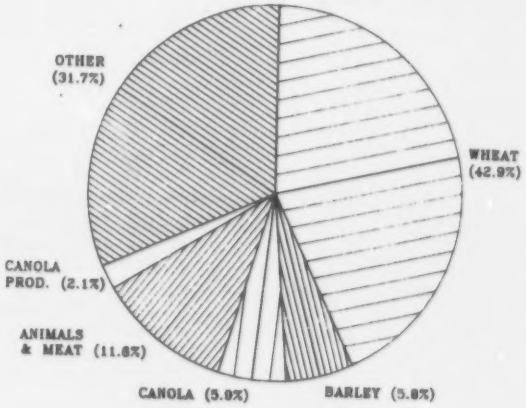
LIVE ANIMALS AND MEAT

The United States is the dominant market for live animals, accounting for almost 100 per cent of the value of all live animal exports with the exception of purebred cattle (81 per cent). Major markets for meats were somewhat more diverse. For beef and veal, the US again was the most important market. Pork exports went almost entirely to the US. Horse meat was exported to France, Japan, Switzerland and other European countries. A total of some $227 million worth of live animals and meat products were exported from Alberta in 1984.

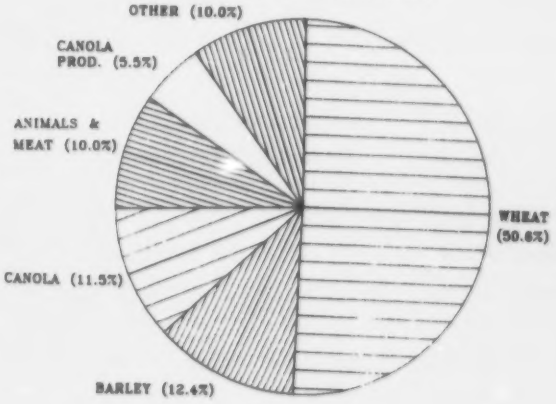
CANOLA OIL, MEAL AND OILCAKE

Principal markets for canola products were India (34 per cent), the United States (11 per cent), Japan (8 per cent) and Hong Kong (6 per cent). Overall, some 281 thousand tonnes with a total value of $125 million were exported from Alberta in 1984.

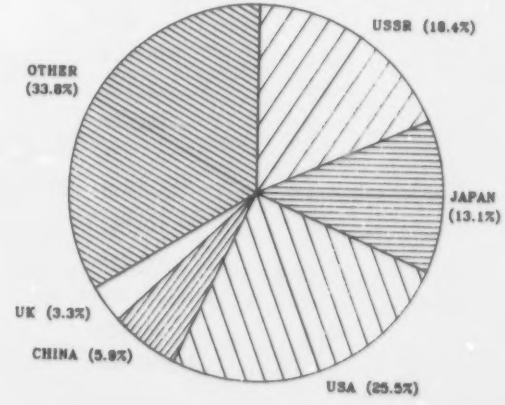
CANADIAN AGRICULTURAL EXPORTS
VALUE, BY COMMODITIES (1984)



ALBERTA AGRICULTURAL EXPORTS
VALUE, BY COMMODITIES (1984)



CANADIAN AGRICULTURAL EXPORTS
VALUE, BY DESTINATION (1984)



ALBERTA AGRICULTURAL EXPORTS
VALUE, BY DESTINATION (1984)

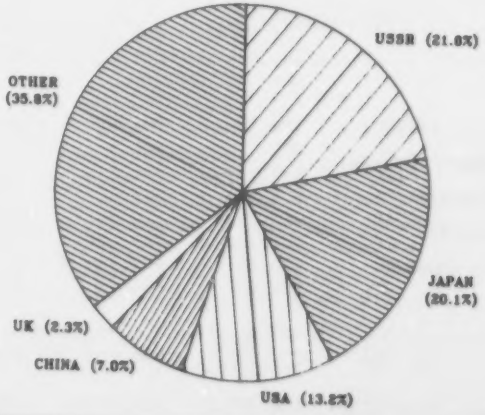


Table 71
ESTIMATES OF OUT-OF-PROVINCE SHIPMENTS

Commodity	Quantity		Value	
	1983	1984	1983	1984
	- '000 tonnes -		- $'000 -	
Wheat	5 724	6 057	1,214,112	1,351,682
Oats	239	209	40,212	30,014
Barley	3 950	2 885	560,868	469,901
Rye	177	128	22,193	16,704
Flaxseed	36	29	11,546	10,479
Canola	515	680	171,978	288,881
Mustard Seed	25	17	10,551	7,623
Forage Seeds	13	8	15,837	8,582
Potatoes	36	43	6,775	11,095
Alfalfa, dehydrated	122	150	21,837	26,125
Honey	9	10	10,897	16,160
Wheat Flour	114	165[p]	39,592	60,959[p]
Malt and Malt Flour	125	87[p]	21,417	32,975[p]
Canola Oil Cake and Meal	247	372	47,799	66,065
Canola Oil	168	248	95,757	211,788
Other Crops and Crop Products	24	22	6,432	6,845
Beef and Veal	272	262	757,825	771,137
Pork	33	31	67,104	84,002
Other Meats	13	16	38,546	41,379
Other Animal Products	n/a	n/a	121,176	139,782
Cattle (Number)	305,249	372,071	180,871	240,161
Swine (Number)	82,087	446,299	10,867	60,852
Other Live Animals	n/a	n/a	3,269	5,382
Peat Moss	45	55	7,349	9,194
Whisky	n/a	n/a	24,238	24,322
TOTAL			3,509,048	3,992,089

[p] preliminary

Table 72
EXPORT ESTIMATES – ALL COUNTRIES

	Alberta		Western Canada		Canada	
	1983	1984	1983	1984	1983	1984
			- thousands of dollars -			
Live Animals	77,988	138,246	168,433	290,190	339,818	520,371
Meat, Fresh, Chilled or Frozen	80,404	90,745	140,948	204,290	656,003	723,197
Other Meat and Meat Preparations	598	315	12,419	11,249	44,928	31,880
Dairy Produce, Eggs and Honey	3,713	8,970	16,146	33,739	274,724	291,331
Barley	377,805	284,153	728,412	567,986	814,600	636,118
Wheat	1,081,984	1,159,049	4,461,326	4,492,555	4,647,699	4,709,666
Other Cereals, Unmilled	54,948	23,843	119,674	117,719	194,998	193,588
Hard Spring Wheat Flour	6,241	10,884	11,923	20,660	80,694	114,790
Other Cereals, Milled	34,988	30,097	62,945	50,238	143,090	125,410
Cereal Preparations	765	804	6,843	7,496	109,429	123,648
Fruit and Fruit Preparations	44	106	62,576	59,218	104,241	104,318
Vegetables and Vegetable Preparations	6,044	4,817	49,167	58,031	290,322	304,892
Sugar and Sugar Preparations	620	17	9,043	3,844	125,978	173,982
Other Foods and Materials for Foods	464	662	5,454	7,879	121,555	191,345
Oil Seed Cake and Meal	16,403	34,440	32,212	64,569	42,132	65,159
Other Feeds of Vegetable Origin	24,490	31,129	83,185	92,855	135,730	150,426
Other Fodder and Feeds	2,210	2,890	56,947	43,905	120,538	102,556
Whisky	24,239	24,322	38,704	39,947	340,585	363,140
Other Beverages	907	750	4,655	3,319	164,009	195,058
Tobacco	-	-	-	640	118,688	123,961
Raw Hides and Skins	12,536	21,260	36,263	68,632	130,921	186,708
Fur Skins Undressed	352	479	4,244	5,739	90,567	98,223
Other Crude Animal Products	1,090	1,547	2,321	4,065	32,573	59,307
Seeds for Sowing	13,179	6,355	36,500	20,398	47,485	26,877
Flaxseed	13,677	10,479	186,321	167,637	186,321	167,637
Canola	176,342	264,766	421,453	644,307	433,232	648,457
Other Oilseeds, Oil Nuts and Oil Kernals	4,103	6,573	35,731	55,156	69,190	95,031
Other Crude Vegetable Products	5,182	6,438	21,970	28,719	110,794	139,114
Oils, Fats, Waxes, Extracts and Derivatives	59,012	127,155	139,068	221,533	183,599	320,918
TOTAL	2,080,228	2,291,291	6,954,883	7,386,515	10,154,443	10,987,108

CENSUS AND COMPARATIVE DATA

Table 73
CENSUS DATA

		1961	1971	1976*	1981*
Total Population	no.	1,331,944	1,627,874	1,838,037	2,237,724
Farm Population	no.	287,814	237,924	219,302	195,284
Per Cent on Farms	%	21.6	14.6	11.9	8.7
Number of Farms	no.	73,212	62,702	61,130	58,056
Average Size of Farm	ac.	645	790	817	813
Average Value of Agricultural Products Sold per Farm	$	n.a.	13,273	n.a.	56,236
Farm Classification:					
Under 3 Acres	%	0.3	0.3	0.3	0.5
3 - 9 Acres	%	0.9	1.1	0.9	1.0
10 - 69 Acres	%	2.5	4.0	5.8	5.8
70 - 239 Acres	%	21.1	16.9	18.9	21.4
240 - 399 Acres	%	26.5	20.1	17.8	16.2
400 - 559 Acres	%	16.1	14.6	13.0	11.8
560 - 759 Acres	%	11.5	13.1	11.9	11.0
760 - 1,119 Acres	%	10.2	13.5	13.4	13.1
1,120 - 1,599 Acres	%	5.4	7.7	8.2	8.6
1,600 - 2,239 Acres	%	2.5	4.0	4.3	4.9
2,240 - 2,879 Acres	%	1.0	1.7	2.0	2.1
2,880 Acres and Over	%	2.0	3.0	3.5	3.6
Farm Operated by:					
Owner	%	59.1	59.3	60.4	58.3
Tenant	%	9.2	6.7	6.3	6.3
Owner-Tenant	%	31.1	34.0	33.3	35.5
Manager	%	0.6	1/	1/	1/

		1961	1971	1976*	1981*
Age of Farm Operators:					
Under 25 Years	%	3.2	2.5	3.6	3.5
25 - 34 Years	%	16.2	14.2	16.3	17.9
35 - 44 Years	%	25.5	24.1	24.0	23.5
45 - 54 Years	%	25.6	28.6	27.1	26.0
55 - 59 Years	%	11.5	11.5	11.3	11.3
60 - 64 Years	%	8.3	9.1	8.5	8.7
65 - 69 Years	%	5.1	5.8	5.0	5.2
70 Years and Over	%	4.6	4.2	4.2	3.9
Average Age of Farm Operator	yrs.	47	49	47	46
Occupied Farm Land	'000 ac.	47,229	49,506	49,929	47,218
Improved Farm Land	'000 ac.	25,289	28,460	29,302	30,951
Field Crops	'000 ac.	15,615	18,092	18,877	20,859
Wheat Total	'000 ac.	5,633	3,443	5,545	6,705
(Durum)	'000 ac.	(189)	(242)	(n.a.)	(506)
Oats for Grain	'000 ac.	2,642	1,864	1,794	1,311
Barley	'000 ac.	2,867	5,689	5,630	6,433
Mixed Grain	'000 ac.	374	419	268	145
Fall Rye	'000 ac.	149	226	)	241
Spring Rye	'000 ac.	25	24	) 181	52
Flaxseed	'000 ac.	362	271	73	102
Canola/Rapeseed	'000 ac.	307	1,988	740	1,455
Tame Hay	'000 ac.	2,477	3,260	3,850	3,481
Other Fodder	'000 ac.	621	733	659	748
Sugar Beets	'000 ac.	41	43	42	36
Other Crops	'000 ac.	117	132	95	150
Improved Pasture	'000 ac.	1,670	2,745	3,278	3,908
Summerfallow	'000 ac.	7,450	7,009	6,494	5,450
Other Improved Land	'000 ac.	554	614	653	734
Unimproved Land	'000 ac.	21,940	21,046	20,627	16,267

		1961	1971	1976*	1981*
Livestock and Poultry:					
Cattle	'000 head	2,879	3,702	4,614	4,193
Pigs	'000 head	1,470	1,816	878	1,199
Sheep	'000 head	497	245	189	201
Horses	'000 head	113	89	90	119
Hens and Chickens	'000 head	9,205	7,923	7,981	9,190
Turkeys	'000 head	1,184	896	822	903
Ducks	'000 head	93	112	108	129
Geese	'000 head	90	78	64	68
Farm Machinery:					
Tractors	no.	102,624	111,256	118,987	124,214
Grain Combines	no.	38,530	42,373	42,984	42,663
Grain Binders	no.	32,476	-	-	-
Threshing Machines	no	13,006	-	-	-
Swathers	no.	27,805	40,749	44,227	47,601
Motor Trucks	no.	71,508	93,471	112,836	123,835
Farm Capital:					
Land and Building	$'000	1,715,367	3,530,252	10,627,528	29,961,159
Machinery and Equipment	$'000	550,876	867,446	2,110,053	4,362,215
Livestock and Poultry	$'000	451,254	803,855	1,124,065	2,503,766
Total Capital Value	$'000	2,717,497	5,201,553	13,861,646	36,827,140
Average Per Farm	$'000	37	83	227	634

[1] In the 1971 Census, a hired manager was asked to report whether the land operated by him was owned or rented by his employer. This was a change from previous censuses wherein a farm operated by a hired manager was classified as being managed rather than owned or rented.

* The 1976 and 1981 census-farm definition differs from that used in previous censuses. To help users relate to previous censuses, the data in this report represents "all agricultural holdings".

Table 74
COMPARATIVE STATISTICS

		Alberta	Alberta as Per Cent of Prairie Provinces	Alberta as Per Cent of Canada
CENSUS STATISTICS 1981				
Total Population	no.	2,237,724	52.9	9.2
Farm Population	no.	195,284	40.6	18.1
Number of Farms	no.	58,056	37.5	18.2
Total Land Area	ac.	157,710,720	36.3	6.9
Occupied Farm Land	ac.	47,218,170	36.3	29.0
Per Cent of Total Land Occupied	%	29.9	-	-
Improved Land	ac.	30,951,142	33.2	27.2
Unimproved Land	ac.	16,267,083	44.0	33.3
CROP AREA 1984				
Winter Wheat	ac.	300,000	46.2	25.9
Spring Wheat	ac.	6,350,000	23.6	23.4
Durum Wheat	ac.	600,000	14.3	14.3
All Wheat	ac.	7,250,000	22.9	22.3
Oats for Grain	ac.	1,200,000	45.8	34.5
Barley for Grain	ac.	5,150,000	50.7	45.8
All Rye	ac.	195,000	24.2	21.3
Mixed Grains	ac.	140,000	40.6	11.3
Flaxseed	ac.	90,000	5.2	5.2
Canola/Rapeseed	ac.	2,900,000	40.6	39.2
Corn for Grain	ac.	15,000	7.7	0.5
Peas,dry	ac.	18,000	10.1	10.1
Lentils	ac.	2,000	1.5	1.5
Mustard Seed	ac.	55,000	17.7	17.7
Tame Hay	ac.	3,900,000	55.7	29.4
Fodder Corn	ac.	24,000	34.8	2.7
Sugar Beets	ac.	29,000	51.1	44.7
Potatoes	ac.	20,500	32.5	7.1
Summerfallow	ac.	4,700,000	22.8	22.8

		Alberta	Alberta as Per Cent of Prairie Provinces	Alberta as Per Cent of Canada
LIVESTOCK ON FARMS, JULY 1, 1984				
Bulls	no.	83,000	53.2	33.9
Milk Cows and Heifers	no.	206,000	48.6	8.4
Beef Cows and Heifers	no.	1,501,000	51.9	38.5
Heifers for Slaughter	no.	300,000	67.3	41.8
Steers	no.	550,000	63.6	36.5
Calves	no.	1,140,000	50.3	32.6
Total Cattle and Calves	no.	3,780,000	53.6	30.7
Hogs - Breeding Stock 6 Months and Over	no.	156,000	43.4	13.1
All Other Pigs	no.	1,294,000	46.1	13.5
Total Hogs	no.	1,450,000	45.8	13.5
Sheep One Year and Over	no.	98,000	64.0	22.4
Lambs Under One Year	no.	92,000	65.7	26.0
Total Sheep and Lambs	no.	190,000	64.8	24.0

Table 75
CANADIAN – METRIC CONVERSIONS

AREA		
1 hectare	2.47109	acres
	0.00368	square mile
1 square kilometre	0.36810	square mile
1 acre	0.40468	hectare
1 square mile (640 acres)	259	hectares
	2.59	square kilometres
1 arpent	0.871	acre
WEIGHT		
1 kilogram	2.2046	pounds
1 tonne (1 000 kg)	2204.622	pounds
	22.046	short hundred-weights
	19.684	long hundred-weights
	1.10231	short tons
	0.98420	long ton
1 pound	0.45359	kilogram
1 short hundredweight (100 lb.)	0.045359	tonne
1 long hundredweight (112 lb.)	0.050802	tonne
1 short ton (2,000 lb.)	0.90718	tonne
1 long ton (2,240 lb.)	1.01605	tonne

Table 76
WEIGHT EQUIVALENTS OF SELECTED COMMODITIES

Wheat		
1 bushel	0.027216	tonne
1 tonne	36.744	bushels
Oats		
1 bushel	0.015422	tonne
1 tonne	64.842	bushels
Barley		
1 bushel	0.021773	tonne
1 tonne	45.930	bushels
Rye, Flaxseed and Corn		
1 bushel	0.0254	tonne
1 tonne	39.368	bushels
Canola/Rapeseed		
1 bushel	0.02268	tonne
1 tonne	44.092	bushels
Mixed Grain		
1 bushel	0.020412	tonne
1 tonne	48.992	bushels

Table 77
PRINCIPAL FIELD CROPS IN METRICS

Census Division	Area 1983	Area 1984	Yield Per Hectare 1983	Yield Per Hectare 1984	Production 1983	Production 1984
	- hectares -		- tonnes -		- tonnes -	
			ALL WHEAT			
1	285 000	283 000	2.11	1.25	601 000	355 000
2	403 000	382 000	2.42	1.69	975 000	645 000
3	158 000	149 000	1.87	0.97	296 000	144 000
4	265 000	272 000	1.84	1.12	489 000	304 000
5	485 000	458 000	2.22	1.45	1 079 000	666 000
6 & 9	126 000	126 000	2.48	1.41	312 000	178 000
7	428 000	404 000	2.05	1.77	879 000	714 000
8	49 000	38 000	2.88	2.68	141 000	102 000
10	372 000	340 000	2.05	2.26	762 000	767 000
11	56 000	55 000	2.34	2.67	131 000	147 000
12	53 000	50 000	2.24	2.04	119 000	102 000
13) 14)	63 000	38 000	2.24	2.50	141 000	95 000
15	373 000	339 000	2.36	1.88	879 000	639 000
Province	3 116 000	2 934 000	2.18	1.66	6 804 000	4 858 000
			OATS FOR GRAIN			
1	8 000	4 000	1.88	1.25	15 000	5 000
2	6 000	5 000	2.83	2.20	17 000	11 000
3	19 000	10 000	1.63	0.60	31 000	6 000
4	38 000	15 000	1.82	1.00	69 000	15 000
5	13 000	15 000	2.31	1.33	30 000	20 000
6 & 9	37 000	26 000	2.46	1.50	91 000	39 000

Census Division	Area		Yield Per Hectare		Production	
	1983	1984	1983	1984	1983	1984
	- hectares -		- tonnes -		- tonnes -	
		OATS FOR GRAIN (cont'd.)				
7	59 000	65 000	2.17	1.66	128 000	108 000
8	32 000	32 000	2.84	2.47	91 000	79 000
10	74 000	93 000	2.09	2.11	155 000	196 000
11	51 000	72 000	2.25	2.50	115 000	180 000
12	45 000	55 000	2.33	2.07	105 000	114 000
13) 14)	48 000	50 000	2.38	2.52	114 000	126 000
15	35 000	44 000	2.51	2.00	88 000	88 000
Province	465 000	486 000	2.26	2.03	1 049 000	987 000
		BARLEY FOR GRAIN				
1	17 000	12 000	2.65	1.58	45 000	19 000
2	113 000	99 000	3.14	2.31	355 000	229 000
3	153 000	125 000	2.10	0.74	321 000	93 000
4	14 000	20 000	2.28	1.30	32 000	26 000
5	155 000	118 000	2.74	1.67	424 000	197 000
6 & 9	218 000	201 000	2.83	1.55	618 000	311 000
7	105 000	129 000	2.41	2.02	253 000	261 000
8	265 000	267 000	3.02	2.78	799 000	743 000
10	229 000	267 000	2.04	2.47	468 000	660 000
11	200 000	211 000	2.01	2.81	402 000	593 000
12	93 000	100 000	2.41	2.37	224 000	237 000
13) 14)	181 000	202 000	2.18	2.66	395 000	537 000
15	321 000	333 000	2.36	2.07	759 000	688 000
Province	2 064 000	2 084 000	2.47	2.20	5 095 000	4 594 000

A.R.A.	Area		Yield Per Hectare		Production	
	1983	1984	1983	1984	1983	1984
	- hectares -		- tonnes -		- tonnes -	
			FLAXSEED			
1	2 800	4 100	1.32	1.07	3 700	4 400
2	13 400	18 500	1.22	0.89	16 400	16 400
3	1 500	2 100	1.00	0.52	1 500	1 100
4A	2 800	3 800	1.11	0.87	3 100	3 300
4B	1 300	1 700	1.00	1.18	1 300	2 000
5	400	600	1.25	1.17	500	700
6	800	1 100	1.12	1.18	900	1 300
7	3 300	4 500	0.94	0.84	3 100	3 800
Province	26 300	36 400	1.16	0.91	30 500	33 000
			CANOLA / RAPESEED			
1	3 900	7 300	1.20	0.90	4 700	6 600
2	62 600	99 600	1.30	1.03	81 300	102 600
3	65 200	87 400	1.20	0.66	78 200	57 600
4A	164 500	190 600	1.16	1.11	190 900	211 000
4B	227 500	242 800	1.01	1.31	228 900	319 000
5	139 700	142 200	1.21	1.47	168 700	208 700
6	69 200	92 800	0.93	1.28	64 500	119 000
7	279 100	310 900	0.89	0.86	248 800	268 500
Province	1 011 700	1 173 600	1.05	1.10	1 066 000	1 293 000
			FALL RYE			
1-3	71 500	44 700	2.18	1.74	156 300	77 800
4A-6	13 500	14 700	1.90	2.15	25 600	31 600
7	2 000	1 300	1.75	1.85	3 500	2 400
Province	87 000	60 700	2.13	1.84	185 400	111 800

A.R.A.	Area		Yield Per Hectare		Production	
	1983	1984	1983	1984	1983	1984
	- hectares -		- tonnes -		- tonnes -	
			SPRING RYE			
1-3	7 200	8 100	1.44	1.07	10 400	8 700
4A-6	8 800	9 800	1.66	1.66	14 600	16 300
7	200	300	2.00	1.33	400	400
Province	16 200	18 200	1.57	1.40	25 400	25 400
			ALL RYE			
1-3	78 700	52 700	2.12	1.64	166 700	86 500
4A-6	22 200	24 600	1.81	1.95	40 200	47 900
7	2 300	1 600	1.70	1.75	3 900	2 800
Province	103 200	78 900	2.04	1.74	210 800	137 200
			TAME HAY			
1	62 400	62 300	4.26	2.66	265 700	165 800
2	108 300	118 900	5.99	5.91	648 300	702 400
3	161 200	165 000	2.63	1.84	424 100	302 800
4A	61 900	64 700	3.25	2.94	201 400	189 900
4B	82 500	85 600	3.87	4.11	319 200	351 900
5	351 700	368 300	4.68	4.08	1 645 500	1 502 300
6	373 100	397 000	4.31	4.25	1 609 600	1 686 800
7	296 200	316 400	4.79	4.58	1 418 200	1 448 100
Province	1 497 300	1 578 200	4.36	4.02	6 532 000	6 350 000
			OTHER CROPS			
Winter Wheat	121 000	121 000	2.36	1.80	286 000	218 000
Durum Wheat	202 000	243 000	2.02	1.18	408 000	286 000
Mixed Grains	60 700	56 700	2.55	2.35	155 000	133 000
Corn for Grain	4 900	6 100	6.49	5.62	31 800	34 300
Peas, dry	5 700	7 300	2.58	2.23	14 700	16 300
Lentils	800	800	0.88	0.50	700	400
Mustard Seed	26 300	22 300	0.95	0.77	24 900	17 200
Potatoes	7 500	8 300	26.61	25.54	199 600	212 000
Sugar Beets	12 900	11 700	44.19	43.93	570 000	514 000
Fodder Corn	9 700	9 700	39.28	35.57	381 000	345 000

SOURCES AND METHODS

The general procedure used in preparing this yearbook has remained similar since 1972. A large percentage of the material presented for the current year was based on estimates derived from sample data. Users are reminded that the data is subject to revision.

INCOME

Farm income data on a provincial basis are derived by Alberta Agriculture in conjunction with Statistics Canada.

Farm wages are obtained from Statistics Canada's publication 21-202.

Food and Beverage Statistics were developed by the Alberta Bureau of Statistics.

The Edmonton Food Price Index and Alberta Average farm input prices were developed from data collected and assembled by Alberta Agriculture Further information is available through the Statistics Branch, Alberta Agriculture.

CROPS

Total production value includes all crops grown on farms in the current year for sale, feed, seed and home consumption at the prevailing market prices during the crop year. The method of disposal of these crops for various uses in the current or subsequent years may have very little effect on the total value. Production value for each crop represents value to the producer.

Prices used to calculate value of production are those which farmers receive at the shipping point less freight, handling and other marketing charges. Transportation costs incurred by farmers themselves in delivering grain to elevators are included with farm expenses. The estimated final prices are subject to revision after all relevant sales and payments are made.

Major crop areas are estimated by Statistics Canada in cooperation with Alberta Agriculture. Minor crops, such as sugar beets and mustard seed are estimated through contacts with dealers, processors, and Alberta Agriculture field staff. Estimates are for seeded acres in most cases, and yields are reported on the land devoted to the crop at seeding time except oats and barley which are based on harvested areas. The November estimates (Statistics Canada 22-002) contain the latest area and yield estimates.

Statistics Canada, Agriculture/Natural Resources Division developed yields of major crops through surveys.

Hail and crop insurance data were obtained from Alberta Hail and Crop Insurance Corporation. Wheat Board Payments are reported by the Canadian Wheat Board. Lakehead selling prices are recorded by the Canadian Grain Commission. Non Board prices for the major centres in the province are those developed through the Alberta Feed and Forage Exchange.

Forage seed data are from Plant Production Division, Agriculture Canada.

Dry bean statistics were provided by the Pulse Growers Association of Alberta.

Fertilizer sales volumes were provided by Western Canada Fertilizer Association.

LIVESTOCK

Market and quality data for cattle, hogs and sheep are obtained from the Agriculture Canada publication "Canadian Livestock and Meat Trade Report." Prices pertain to stockyard sales.

Data on insemination and brand inspection were obtained from Animal Industry Division, Alberta Agriculture.

Dairy statistics are obtained from the Dairy Division, Alberta Agriculture.

Monthly poultry prices are the average of recorded weekly prices from Canada Department of Agriculture. Production values for eggs were obtained from Statistics Canada, publication 23-202. Data on hatchery capacity, chick production and disposition, poult production and poultry eviscerated in registered stations were supplied by Poultry Branch, Alberta Agriculture.

EXPORTS

Out-of-province shipments, as used in this yearbook, includes shipments to other provinces as well as out-of-country exports. The primary sources of data for out-of-country exports were Statistics Canada Catalogues 65-003 (Exports by Countries) and 65-004 (Exports by Commodities) supplemented with provincial level information from the Alberta Bureau of Statistics and other Statistics Canada publications. In addition, the information necessary to adjust Statistics Canada data to estimate Alberta exports was gathered from many sources within Alberta Agriculture, other government departments and industry.

OTHER PRODUCTS

Alberta Agriculture in cooperation with Statistics Canada produce honey estimates.

Fur data are obtained from the Animal Health Division.